

Remediation Summary & Soil Closure Request

Mewbourne Oil Company Devon 12-1 W2PI SWD Line

Eddy County, New Mexico
Unit Letter "D", Section 18, Township 25 South, Range 28 East
Latitude 32.13721 North, Longitude 104.13333 West
NMOCD Reference No. nAPP2424855148

Prepared By:

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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 Devon 12-1 W2PI SWD Line (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source				
Latitude: <u>32.13721</u>		Longitude: <u>-104.13333</u>		
Provided GPS are in WGS84 format.				
Site Name: <u>Devon 12-1 W2PI SWD Line</u>		Site Type: <u>Flowline</u>		
Date Release Discovered: <u>8/20/2024</u>		API # (if applicable): <u>N/A</u>		
Unit Letter	Section	Township	Range	County
"D"	18	25S	28E	Eddy
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Private (Name <u>Devon Energy Production Co., LP</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>65</u>		Volume Recovered (bbls) <u>20</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>Line failure on flow line.</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 75 and 100 (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 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between ½ and 1 (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 ½ and 1 (mi.)
Any other fresh water well or spring?	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Greater than 5 (mi.)
A wetland?	Between ½ and 1 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between ½ and 1 (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 Site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on November 6, 2024, a temporary monitor well (NMOSE ID #C-04892 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 95 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 November 11, 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 Site are as listed in the following table:

Closure Criteria for Soils Impacted by a Release

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standards*‡
Between 75 and 100 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	1,000	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 Standards apply only to the top 4' of soil in non-production areas. Subsection 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

From September 30 to October 1, 2024, Etech conducted an initial site assessment. During the initial site assessment, three (3) test trenches (TT 1, TT 2, and TT 3) were advanced within the inferred margins of the release in an effort to determine the vertical extent of impacted soil. The test trenches were advanced in one (1) to two (2) foot increments to total depths ranging from 12 feet (TT 1) to 14 feet bgs (TT 3). During the advancement of the test trenches, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, a total of 29 delineation soil samples (TT 1 @ Surf through TT 1 @ 12', TT 2 @ Surf through TT 2 @ 13', and TT 3 @ Surf through TT 3 @ 14') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and ranged from 12 feet bgs in trench TT 1 to 14 feet bgs in trench TT 3.

5.0 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?	9/30/2024	
On what date will (or did) the final sampling or liner inspection occur?	10/18/2024	
On what date will (or was) the remediation complete(d)?	10/30/2024	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	19,000	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed? What was the total surface area (sq. ft.) that has or will be remediated?	2,815	
What was the total volume (cy) that has or will be remediated?	19,000	
This remediation utilized the following processes to remediate/reduce contaminants:	3,492	
(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.)(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 September 30, 2024, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a 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 below:

Constituent	Highest Observed Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	95,000	TT 3 @ Surf	10/1/2024	0	Excavated
TPH	69,600	TT 2 @ Surf	9/30/2024	0	Excavated
GRO+DRO	56,500	TT 2 @ Surf	9/30/2024	0	Excavated
BTEX	<0.300	All submitted samples	9/30, 10/1, 10/3, 10/4, 10/7, 10/9, 10/10, 10/11, 10/14, 10/16, 10/18/24	0 - 14	In-Situ & Excavated
Benzene	<0.050	All submitted samples	9/30, 10/1, 10/3, 10/4, 10/7, 10/9, 10/10, 10/11, 10/14, 10/16, 10/18/24	0 - 14	In-Situ & Excavated

Please reference Table 1 for additional information.

On October 3, 2024, Etech collected 16 confirmation soil samples (FL 1 @ 4' through FL 12 @ 4' and NW 1 through NW 4) 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.

On October 4, 2024, Etech collected seven (7) confirmation soil samples (FL 13 @ 4' through FL 18 @ 4' and NW 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.

On October 7, 2024, Etech collected 21 confirmation soil samples (FL 19 @ 4' through FL 32 @ 4', NW 5, NW 6, NW 7, EW 1, SW 1, 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.

On October 9, 2024, Etech collected 12 confirmation soil samples (FL 34 @ 4' through FL 41 @ 4', NW 8, NW 9, SW 2, and SW 3) 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.

On October 10, 2024, Etech collected 11 confirmation soil samples (FL 42 @ 4' through FL 51 @ 4' and SW 4) 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, with the exception of soil sample FL 43 @ 4', which exceeded the NMOCD Closure Criterion for chloride. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by soil sample FL 43 @ 4'.

On October 11, 2024, Etech collected nine (9) confirmation soil samples (FL 52 @ 4' through FL 60 @ 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, with the exception of soil sample FL 60 @ 4', which exceeded the NMOCD Closure Criterion for chloride. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by soil sample FL 60 @ 4'.

On October 14, 2024, Etech collected 14 confirmation soil samples (FL 61 @ 4' through FL 70 @ 4' and SW 5 through 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, with the exception of soil sample FL 69 @ 4', which exceeded the NMOCD Closure Criterion for chloride. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by soil sample FL 69 @ 4'.

On October 16, 2024, Etech collected 22 confirmation soil samples (FL 33 @ 4', FL 71 @ 4' through FL 89 @ 4', EW 2, and SW 7) 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.

On October 18, 2024, Etech collected three (3) confirmation soil samples (FL 43 @ 4.5', FL 60 @ 4.5', and FL 69 @ 4.5') 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.

The final dimensions of the excavated area were approximately 162 to 436 feet in length, 12 to 52 feet in width, and 2 to 4.5 feet in depth. During the course of remediation activities, Etech transported approximately 3,492 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 3,320 cubic yards of locally sourced, non-impacted material to the Site for use as backfill.

Soil sample locations and the extent of the excavated area 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 site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

6.0 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?	19,000	
What was the total volume (cy) remediated?	3,492	

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/or 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 Site.

7.0 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?	19,000	
What was the total volume (in cubic yards) reclaimed?	2,815	

On October 10, 2024, in accordance with NMOCD remediation guidelines, a 5-point composite soil sample (Backfill Pit) was collected from the imported material stockpiled on-site 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 October 21 through 25, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Backfill Pit) 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 revegetated 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.

8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

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

9.0 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*

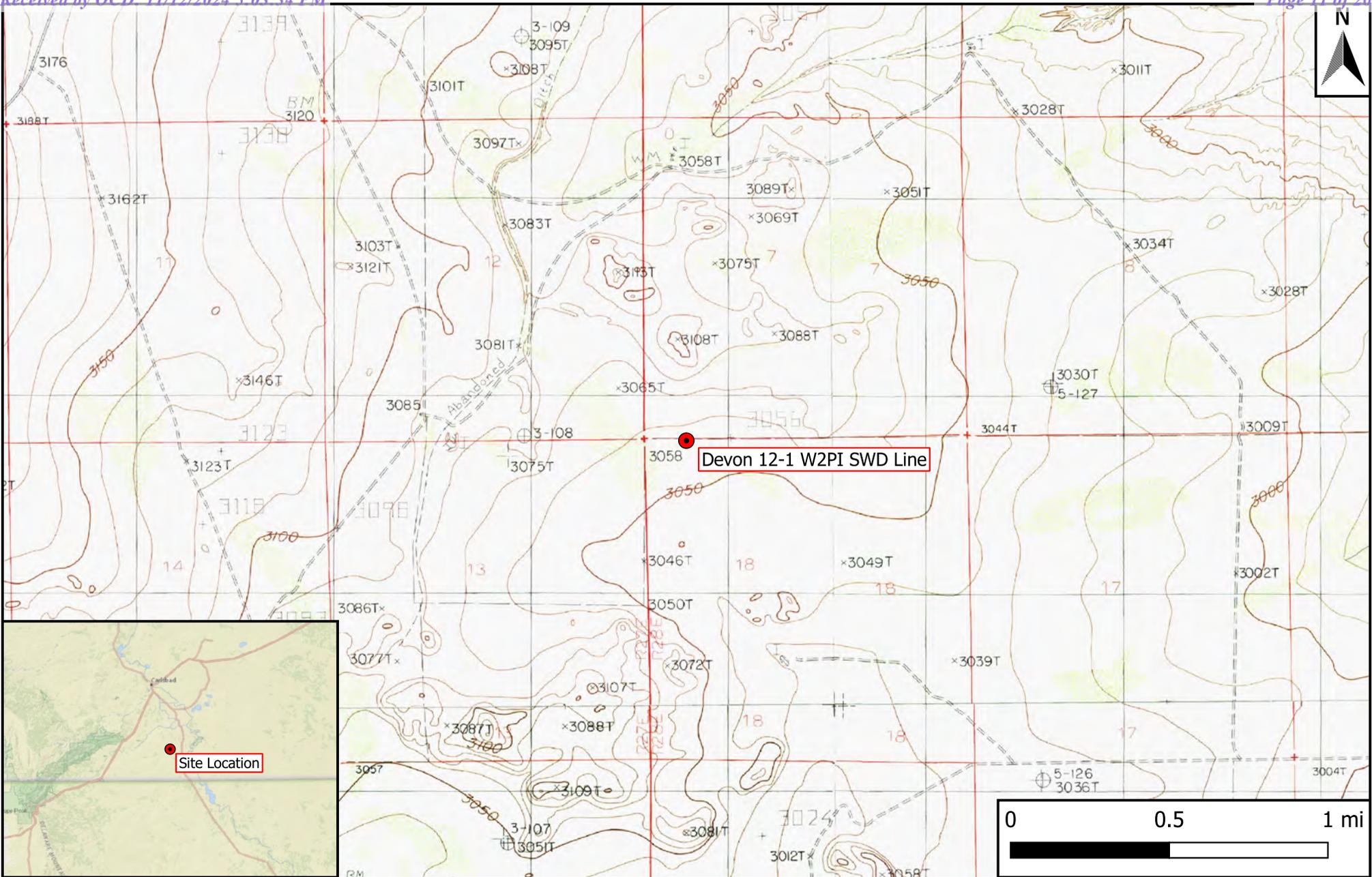
United States Department of the Interior

*Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220*

(Electronic Submission)

Figure 1

Site Location Map



Legend
 ● Site Location

Figure 1
 Site Location Map
 Mewbourne Oil Company
 Devon 12-1 W2PI SWD Line
 GPS: 32.13721, -104.13333
 Eddy County, New Mexico



Figures 2A & 2B Site Characterization Maps

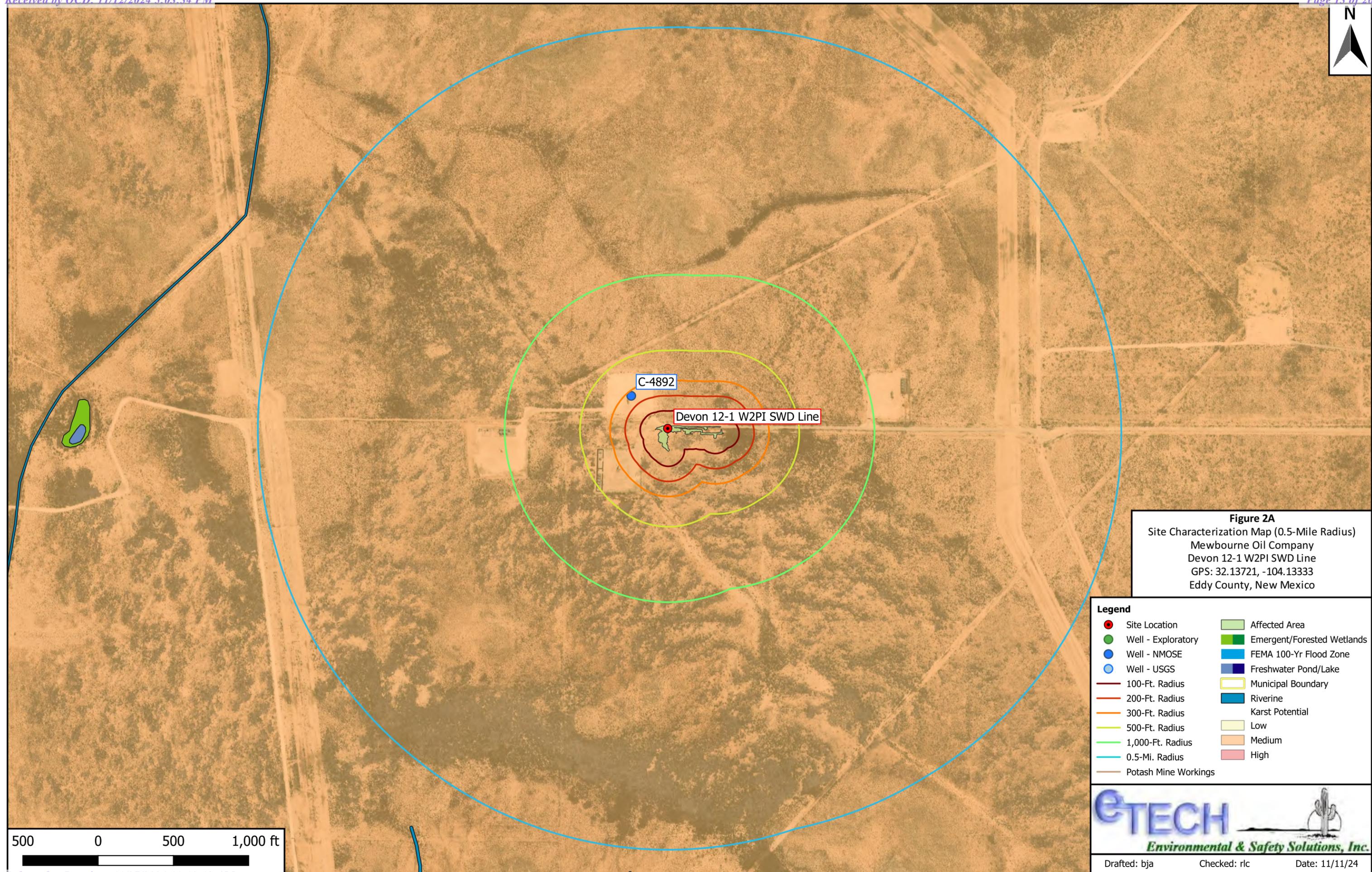
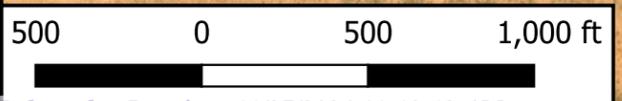


Figure 2A
 Site Characterization Map (0.5-Mile Radius)
 Mewbourne Oil Company
 Devon 12-1 W2PI SWD Line
 GPS: 32.13721, -104.13333
 Eddy County, New Mexico

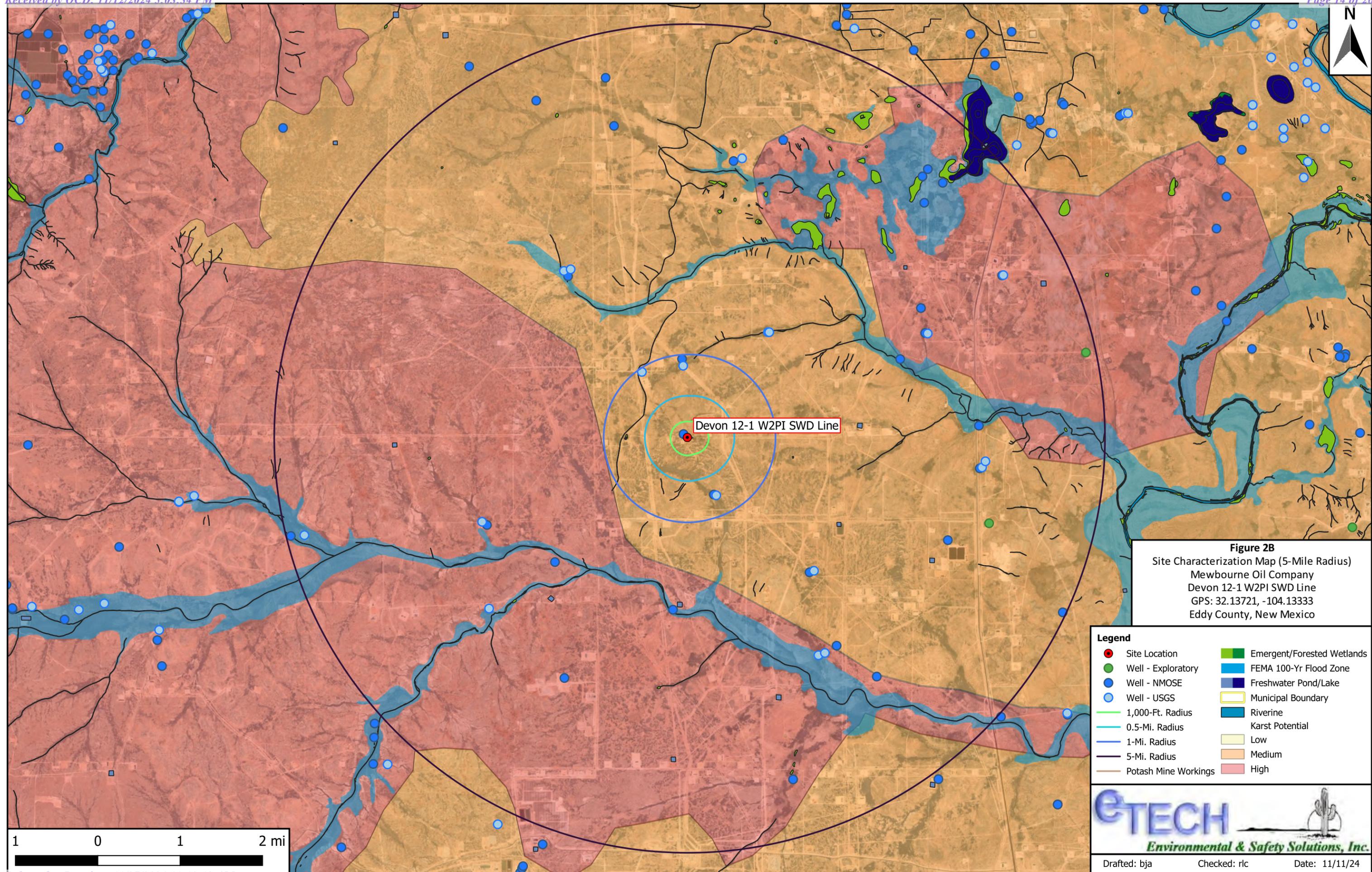
Legend

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



ETECH
 Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 11/11/24



Devon 12-1 W2PI SWD Line

Figure 2B
 Site Characterization Map (5-Mile Radius)
 Mewbourne Oil Company
 Devon 12-1 W2PI SWD Line
 GPS: 32.13721, -104.13333
 Eddy County, New Mexico

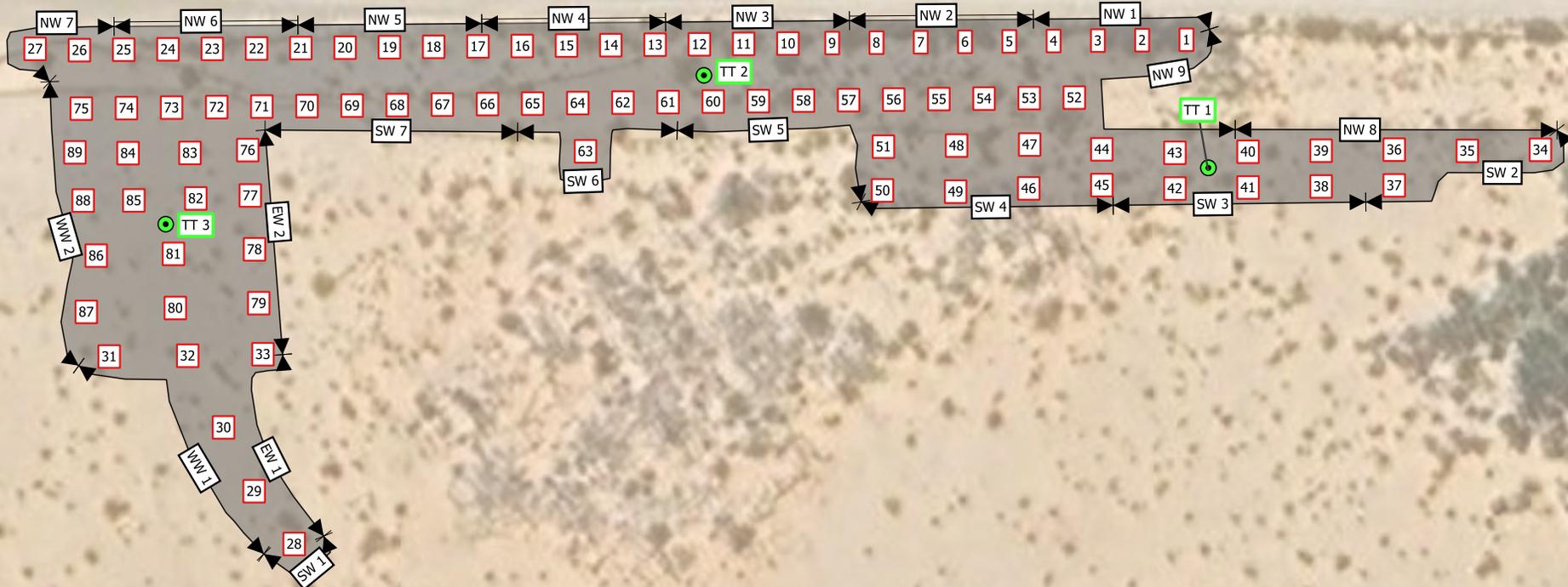
- Legend**
- Site Location
 - Well - Exploratory
 - Well - NMOSE
 - Well - USGS
 - 1,000-Ft. Radius
 - 0.5-Mi. Radius
 - 1-Mi. Radius
 - 5-Mi. Radius
 - Potash Mine Workings
 - Emergent/Forested Wetlands
 - FEMA 100-Yr Flood Zone
 - Freshwater Pond/Lake
 - Municipal Boundary
 - Riverine
 - Karst Potential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



Drafted: bja Checked: rlc Date: 11/11/24

Figure 3

Sample Location Map



Legend

- Excavated Area (19,000 ft²)
- Composite Floor Sample
- Composite Wall Sample
- Test Trench

Figure 3
 Sample Location Map
 Mewbourne Oil Company
 Devon 12-1 W2PI SWD Line
 GPS: 32.13721, -104.13333
 Eddy County, New Mexico



ETECH
 Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 11/11/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Devon 12-1 W2PI SWD Line
NMOCD Ref. #: nAPP2424855148

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	10,000
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 @ Surf	9/30/2024	0	Excavated	<0.050	<0.300	<10.0	9,570	9,570	2,240	11,800	64,800
TT 1 @ 1'	9/30/2024	1	Excavated	<0.050	<0.300	<10.0	159	159	56.4	215	8,200
TT 1 @ 2'	9/30/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,800
TT 1 @ 3'	9/30/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,800
TT 1 @ 4'	9/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
TT 1 @ 6'	9/30/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
TT 1 @ 8'	9/30/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,600
TT 1 @ 10'	9/30/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
TT 1 @ 12'	9/30/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
TT 2 @ Surf	9/30/2024	0	Excavated	<0.050	<0.300	<100	56,500	56,500	13,100	69,600	41,600
TT 2 @ 1'	9/30/2024	1	Excavated	<0.050	<0.300	<10.0	89.9	89.9	27.8	118	7,440
TT 2 @ 2'	9/30/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
TT 2 @ 3'	9/30/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,800
TT 2 @ 4'	9/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,530
TT 2 @ 5'	9/30/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,200
TT 2 @ 7'	9/30/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
TT 2 @ 9'	9/30/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
TT 2 @ 11'	9/30/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,300
TT 2 @ 13'	9/30/2024	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
TT 3 @ Surf	10/1/2024	0	Excavated	<0.050	<0.300	<10.0	922	922	394	1,320	95,000
TT 3 @ 1'	10/1/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,160
TT 3 @ 2'	10/1/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,200
TT 3 @ 3'	10/1/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,400
TT 3 @ 4'	10/1/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,600
TT 3 @ 6'	10/1/2024	6	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,800
TT 3 @ 8'	10/1/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,400
TT 3 @ 10'	10/1/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,600
TT 3 @ 12'	10/1/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
TT 3 @ 14'	10/1/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
Excavation Samples											
FL 1 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 2 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 3 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,890
FL 4 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	58.7	58.7	<10.0	58.7	4,040
FL 5 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 6 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 7 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL 8 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,000
FL 9 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
FL 10 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL 11 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 12 @ 4'	10/3/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FL 13 @ 4'	10/4/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920

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 Devon 12-1 W2PI SWD Line NMOCD Ref. #: nAPP2424855148											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	10,000
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 14 @ 4'	10/4/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,400
FL 15 @ 4'	10/4/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL 16 @ 4'	10/4/2024	4	In-Situ	<0.050	<0.300	<10.0	23.2	23.2	<10.0	23.2	5,040
FL 17 @ 4'	10/4/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
FL 18 @ 4'	10/4/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,560
FL 19 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200
FL 20 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
FL 21 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,480
FL 22 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,180
FL 23 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,580
FL 24 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 25 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,400
FL 26 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 27 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	53.1	53.1	<10.0	53.1	432
FL 28 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 29 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 30 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 31 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 32 @ 4'	10/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 33 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 34 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760
FL 35 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 36 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
FL 37 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,550
FL 38 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
FL 39 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,520
FL 40 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
FL 41 @ 4'	10/9/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
FL 42 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,600
FL 43 @ 4'	10/10/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,300
FL 43 @ 4.5'	10/18/2024	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 44 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
FL 45 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,130
FL 46 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
FL 47 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
FL 48 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,600
FL 49 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,880
FL 50 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
FL 51 @ 4'	10/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 52 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,120
FL 53 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200
FL 54 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 55 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,840
FL 56 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760

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 Devon 12-1 W2PI SWD Line NMOCD Ref. #: nAPP2424855148											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	10,000
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 57 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,460
FL 58 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,600
FL 59 @ 4'	10/11/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
FL 60 @ 4'	10/11/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
FL 60 @ 4.5'	10/18/2024	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
FL 61 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,320
FL 62 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930
FL 63 @ 2'	10/14/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
FL 64 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,600
FL 65 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
FL 66 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
FL 67 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	36.6	36.6	<10.0	36.6	9,000
FL 68 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,130
FL 69 @ 4'	10/14/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,300
FL 69 @ 4.5'	10/18/2024	4.5	In-Situ	<0.050	<0.300	<10.0	20.3	20.3	<10.0	20.3	9,000
FL 70 @ 4'	10/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,260
FL 71 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,600
FL 72 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,600
FL 73 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,660
FL 74 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,000
FL 75 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL 76 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 77 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,440
FL 78 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL 79 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 80 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,880
FL 81 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
FL 82 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,900
FL 83 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL 84 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,680
FL 85 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,000
FL 86 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200
FL 87 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 88 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL 89 @ 4'	10/16/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,800
NW 1	10/3/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 2	10/3/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
NW 3	10/3/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
NW 4	10/3/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW 5	10/4/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
NW 5*	10/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 6	10/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 7	10/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 8	10/9/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0

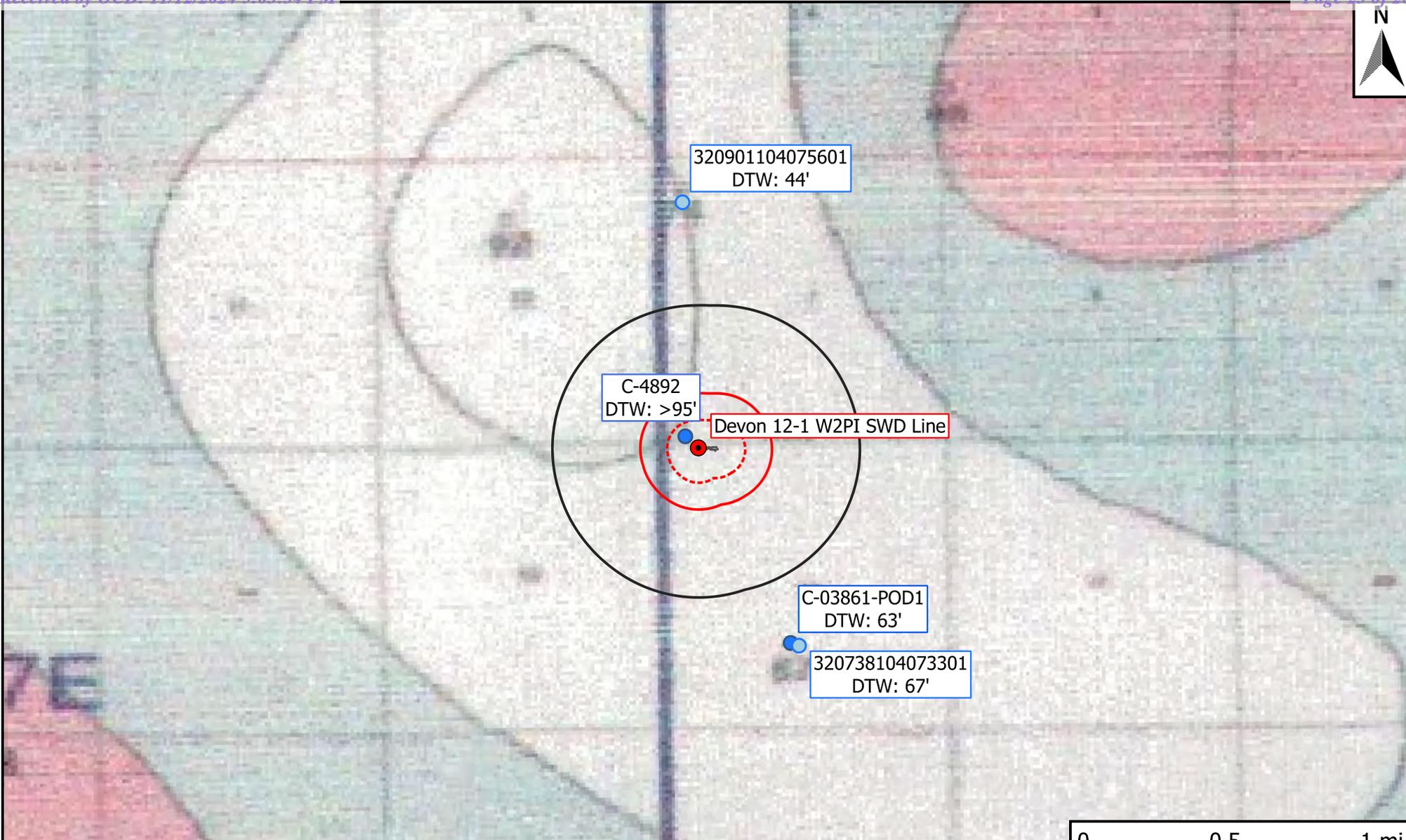
Dash (-): Sample not analyzed for that constituent.
 Bold: NMOCD Closure Criteria exceedance.
 Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Devon 12-1 W2PI SWD Line NMOCD Ref. #: nAPP2424855148											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	10,000
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)
NW 9	10/9/2024	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 1	10/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 2	10/16/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 1	10/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 2	10/9/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 3	10/9/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 4	10/10/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW 5	10/14/2024	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 6	10/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 7	10/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 7	10/16/2024	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 8	10/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW 1	10/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 2	10/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Backfill Sample											
Backfill Pit	10/10/2024	N/A	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384

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
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
 Devon 12-1 W2PI SWD Line
 GPS: 32.13721, -104.13333
 Eddy County, New Mexico



 Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 11/11/24



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-4892		
	WELL OWNER NAME(S) Mewbourne Oil Co. (Agent-H+R Enterprises)				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS P.O. Box 3641				CITY Hobbs	STATE NM	ZIP 88241
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 08	SECONDS 16.1	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 104	08	02.8	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

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 11-6-24	DRILLING ENDED 11-6-24	DEPTH OF COMPLETED WELL (FT) 95'	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	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 11-11-24		
	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)	SLOT SIZE (inches)
	FROM	TO						
	0'	95'	6"	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		

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	



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 03861 POD1		C	ED	SE	NE	SW	18	25S	28E	582265.7	3554864.3		1227	91	63	28
C 03263 POD1		CUB	ED	NW	NW	NW	07	25S	28E	581628.0	3557501.0 *		1531	133		

Average Depth to Water: **63 feet**

Minimum Depth: **63 feet**

Maximum Depth: **63 feet**

Record Count: 2

UTM Filters (in meters):

Easting: 581740.83

Northing: 3555973.42

Radius: 1610

* 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 03861	POD1	SE	NE	SW	18	25S	28E	582265.7	3554864.3	

* UTM location was derived from PLSS - see Help

Driller License:	1348	Driller Company:	TAYLOR WATER WELL SERVICE		
Driller Name:	TAYLOR, CLINTON E.				
Drill Start Date:	2015-04-26	Drill Finish Date:	2015-04-30		Plug Date:
Log File Date:	2015-05-04	PCW Rcv Date:			Source: Shallow
Pump Type:	Pipe Discharge Size:		Estimated Yield:		100
Casing Size:	6.00	Depth Well:	91	Depth Water:	63

Water Bearing Stratifications:

Top	Bottom	Description
68	91	Other/Unknown

Casing Perforations:

Top	Bottom
71	91

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.

8/28/24 9:53 AM MST

Point of Diversion Summary

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) C-3861				OSE FILE NUMBER(S)			
	WELL OWNER NAME(S) Joy E Cooksey				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS Box 45				CITY Carlsbad		STATE NM	
	WELL LOCATION (FROM GPS)				DEGREES 32 7 37.8 N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
				LONGITUDE 104 7 40.3 W		* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1348		NAME OF LICENSED DRILLER Clinton E Taylor			NAME OF WELL DRILLING COMPANY Taylor Water Well Service		
	DRILLING STARTED 4/26/2015		DRILLING ENDED 4/30/2015	DEPTH OF COMPLETED WELL (FT) 91		BORE HOLE DEPTH (FT) 100	DEPTH WATER FIRST ENCOUNTERED (FT) 68	
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT) 62.5	
	DRILLING FLUID: <input checked="" type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	+3	71	9 7/8	PVC	Glue Joint	6	SCH 40	
	71	91	9 7/8	PVC	Glue Joint	6	SCH 40	.050
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	9 7/8	20% Solids Bentonite Grout	2 Sacks	Tremie		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER C-3861	POD NUMBER 1	TRN NUMBER 565982
LOCATION 25S-28E-18-3-2-4		Dom



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 =
 • 320738104073301

Minimum number of levels = 1

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

USGS 320738104073301 25S.28E.18.32441

Eddy County, New Mexico
 Latitude 32°07'37.3", Longitude 104°07'38.5" NAD83
 Land-surface elevation 3,030.80 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
>=1998			7								
1998-01-23			D 72019	64.67			1	S			A
2003-01-24			D 72019	67.08			1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-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

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0.37 0.23 nadww01



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: United States GO

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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs
 site_no list =
 • 320901104075601

Minimum number of levels = 1

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

USGS 320901104075601 25S.28E.07.11143

Eddy County, New Mexico
 Latitude 32°08'59.3", Longitude 104°08'03.0" NAD83
 Land-surface elevation 3,042.00 feet above NGVD29
 The depth of the well is 133 feet below land surface.
 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
>=1998			7								
1998-01-27		D	72019	45.05			1	S			A
2003-02-10		D	72019	46.30			1	S	USGS	S	A
2013-01-10	00:30 UTC	m	72019	44.19			1	S	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	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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Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-11-11 16:24:39 EST

0.37 0.23 nadww01

Appendix B Field Data



Sample Log

Date: _____

Project: Devon 121 W2PAI FEE #1H

Project Number: 21047 Latitude: 32.13718 Longitude: -104.13343

Sample ID	PID/Odor	Chloride Conc.	GPS
77-1 @ Surface	-		
77-1 @ 1'	-	8,332	
77-1 @ 2'	-	8,332	
77-1 @ 3'	-	7,660	
77-1 @ 4'	-	6,516	
77-1 @ 5'	-	6,016	
77-1 @ 6'	-	4,048	
77-1 @ 7'	-	9,064	
77-1 @ 8'	-	5,556	
77-1 @ 9'	-	2,392	
77-1 @ 10'	-	2,584	
77-1 @ 11'	-	2,584	
77-1 @ 12'	-	168	
77-2 @ Surface	-		
77-2 @ 1'	-	7,668	
77-2 @ 2'	-	7,668	
77-2 @ 3'	-	6,516	
77-2 @ 4'	-	7,668	
77-2 @ 5'	-	10,800	
77-2 @ 6'	-	7,668	
77-2 @ 7'	-	5,136	
77-2 @ 8'	-	2,356	
77-2 @ 9'	-	1,276	
77-2 @ 10'	-	9,064	
77-2 @ 11'	-	2,584	
77-2 @ 12'	-	2,584	
77-2 @ 13'	-	144	
77-3 @ Surface	-		
77-3 @ 1'	-	9,064	
77-3 @ 2'	-	9,064	
77-3 @ 3'	-	10,800	
77-3 @ 4'	-	1,384	
77-3 @ 5'	-	9,884	
77-3 @ 6'	-	11,832	
77-3 @ 7'	-	6,516	
77-3 @ 8'	-	7,668	

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-3@9'	-	6516	
TT-3@10'	-	6516	
TT-3@11'	-	2584	
TT-3@12'	-	6516	
TT-3@13'	-	2584	
TT-3@14'	-	392	
NW-1	-	2584	
NW-1	-	1544	
NW-1	-	624	
NW-1	-	744	
NW-1	-	744	
NW-1	-	572	
EW-1	-	480	
FL-1@4'	-	428	
FL-2@4'	-	684	
FL-3@4'	-	2356	
FL-4@4'	-	3644	
NW-2	-	384	
FL-5@4'	-	744	
FL-6@4'	-	4284	
FL-7@4'	-	3088	
NW-3	-	384	
FL-8@4'	-	2168	
FL-9@4'	-	3088	
FL-10@4'	-	3644	
NW-4	-	572	
FL-11@4'	-	1612	
FL-12@4'	-	3088	
NW-5	-	872	
FL-13@4'	-	3448	
FL-14@4'	-	4048	
FL-15@4'	-	3448	
FL-16@4'	-	4744	
FL-17@4'	-	3448	
FL-18@4'	-	4084	

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-19 @ 4'	-	4,209	
FL-20 @ 4'	-	3,048	
FL-21 @ 4'	-	1,940	
FL-22 @ 4'	-	1,780	
FL-23 @ 4'	-	2,136	
FL-24 @ 4'	-	2,564	
NW-5	-	284	
FL-25 @ 4'	-	591	
FL-26 @ 4'	-	2584	
FL-27 @ 4'	-	1940	
FL-28 @ 4'	-	4727	
FL-29 @ 4'	-	276	
FL-30 @ 4'	-	348	
Nw-6	-	572	
Nw-7	-	572	
Sw-1	-	572	
Ew-1	-	276	
Ww-1	-	472	
Nw-2	-	872	
Ew-2	-	872	
Ew-2	-	604	
Ew-2	-	872	
Ww-2	-	472	
FL-31 @ 4'	-	526	
FL-32 @ 4'	-	216	
FL-test @ 1'	-	872	
FL-test @ 2'	-	844	
FL-test @ 3'	-	624	
Sw-2	-	384	
FL 34 @ 4'	-	2544	
FL 35 @ 4'	-	5936	
FL 36 @ 4'	-	5024	
FL 37 @ 4'	-	2600	
Nw-8	-	116	
Nw-9	-	572	
Sw-3	-	160	

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
NW test	-	572	
FL-42 @ 4'	-	8120	
FL-43 @ 4'	-	8824	
FL-44 @ 4'	-	9600	
FL-45 @ 4'	-	4640	
Sw-4	-	784	
FL-46 @ 4'	-	5316	
FL-47 @ 4'	-	1448	
FL-48 @ 4'	-	4060	
FL-49 @ 4'	-	2058	
FL-50 @ 4'	-	4640	
FL-51 @ 4'	-	508	
FL-52 @ 4'	-	5,936	
FL-53 @ 4'	-	5,888	
FL-54 @ 4'	-	1,144	
FL-55 @ 4'	-	2,836	
FL-56 @ 4'	-	2,600	
FL-57 @ 4'	-	9,600	
FL-58 @ 4'	-	5,888	
FL-59 @ 4'	-	1,800	
FL-60 @ 4'	-	11,424 8,120	
Sw-5	-	572	
sw 6	-	572	
FL-61 @ 4'	-	2544	
FL-62 @ 4'	-	8824	
FL-63 @ 2'	-	572	
FL-64 @ 4'	-	8824	
FL-65 @ 4'	-	7484	
FL-66 @ 4'	-	7484	
FL-67 @ 4'	-	5888	
FL-68 @ 4'	-	7484	
FL-69 @ 4'	-	9600	
FL-70 @ 4'	-	7600	
FL-71 @ 4'	-	6904	
FL-72 @ 4'	-	6904	
FL-73 @ 4'	-	6904	

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

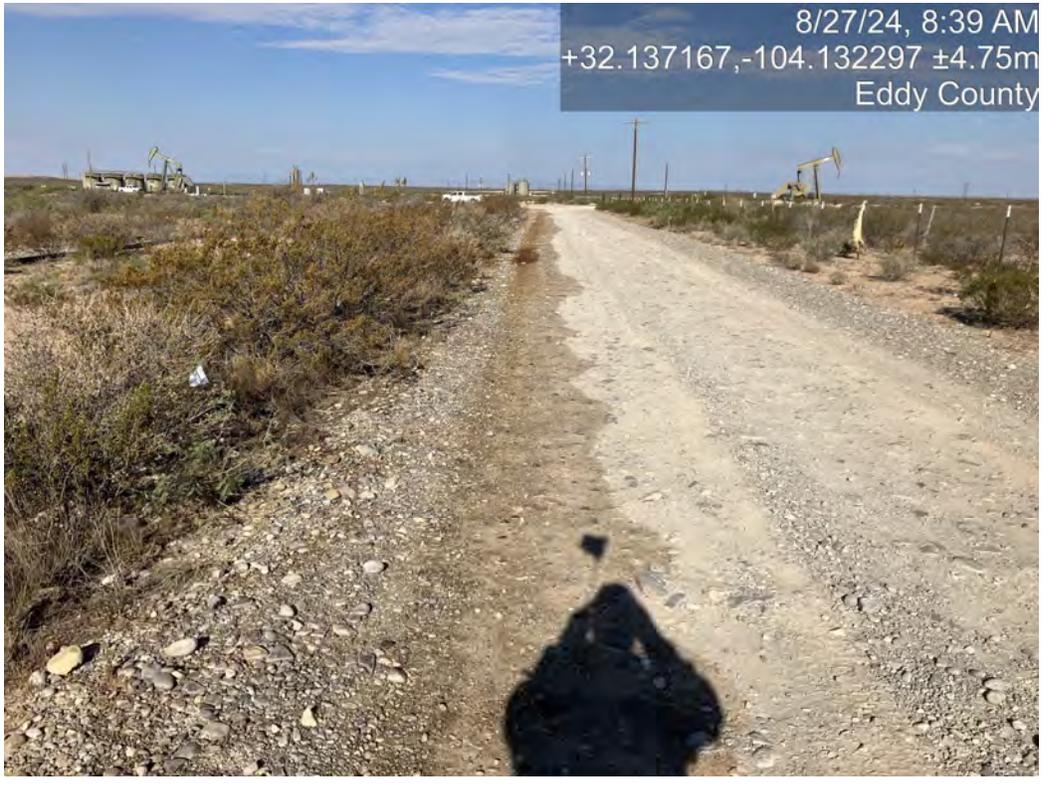
GPS Sample Points, Center of Comp Areas

Appendix C

Photographic Log

Photographic Log

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

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

Photographic Log

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

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

Photographic Log

Photo Number: 5	 <p>8/27/24, 8:41 AM +32.137146,-104.133086 ±4.75m Eddy County</p>
Photo Direction: West-Northwest	
Photo Description: View of the affected area.	

Photo Number: 6	 <p>8/27/24, 8:41 AM +32.137210,-104.132764 ±4.75m Eddy County</p>
Photo Direction: West	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 7	 <p>8/27/24, 8:42 AM +32.137177,-104.133317 ±4.77m Eddy County</p>
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photo Number: 8	 <p>8/27/24, 8:43 AM +32.136799,-104.133336 ±4.75m Eddy County</p>
Photo Direction: Northwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 9	 <p>Oct 17, 2024 at 8:39:53 AM +32.137212,-104.133599 Carlsbad NM 88220 United States</p>
Photo Direction: East	
Photo Description: View of the excavated area.	

Photo Number: 10	 <p>Oct 17, 2024 at 8:40:15 AM +32.137142,-104.133519 Carlsbad NM 88220 United States</p>
Photo Direction: South-Southwest	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 11	 <p>Oct 17, 2024 at 8:40:18 AM +32.137142,-104.133519 Carlsbad NM 88220 United States</p>
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photo Number: 12	 <p>Oct 17, 2024 at 8:41:10 AM +32.136781,-104.133367 Carlsbad NM 88220 United States</p>
Photo Direction: North	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 13	 <p>Oct 21, 2024 at 9:36:07 AM +32.136981,-104.133375 Carlsbad NM 88220 United States</p>
Photo Direction: North	
Photo Description: View of the excavated area.	

Photo Number: 14	 <p>Oct 30, 2024 at 12:54:30 PM +32.137198,-104.133721 Carlsbad NM 88220 United States</p>
Photo Direction: East	
Photo Description: View of the remediated area following backfill and regrading.	

Photographic Log

Photo Number: 15	 <p>Oct 30, 2024 at 12:55:35 PM +32.137022,-104.133802 Carlsbad NM 88220 United States</p>
Photo Direction: Northeast	
Photo Description: View of the remediated area following backfill and regrading.	

Photo Number: 16	 <p>Oct 30, 2024 at 12:55:39 PM +32.137022,-104.133802 Carlsbad NM 88220 United States</p>
Photo Direction: East	
Photo Description: View of the remediated area following backfill and regrading.	

Appendix D

Laboratory Analytical Reports



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

October 07, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/01/24 8:27.

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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ SURF (H245941-01)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	64800	16.0	10/02/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	192	96.0	200	1.09		
DRO >C10-C28*	9570	10.0	10/01/2024	ND	185	92.6	200	3.02		
EXT DRO >C28-C36	2240	10.0	10/01/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 388 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 1' (H245941-02)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	8200	16.0	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09	
DRO >C10-C28*	159	10.0	10/01/2024	ND	185	92.6	200	3.02	
EXT DRO >C28-C36	56.4	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 109 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 2' (H245941-03)

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	10/02/2024	ND	1.99	99.6	2.00	6.75		
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79		
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11		
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03		
Total BTEX	<0.300	0.300	10/02/2024	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	9800	16.0	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09		
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	185	92.6	200	3.02		
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 3' (H245941-04)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	8800	16.0	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	185	92.6	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 4' (H245941-05)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	8000	16.0	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	185	92.6	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 106 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 6' (H245941-06)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	4000	16.0	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	185	92.6	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 8' (H245941-07)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	185	92.6	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 10' (H245941-08)

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	10/02/2024	ND	1.99	99.6	2.00	6.75		
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79		
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11		
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03		
Total BTEX	<0.300	0.300	10/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	3000	16.0	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09		
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	185	92.6	200	3.02		
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND						

Surrogate: 1-Chlorooctane 112 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 1 @ 12' (H245941-09)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	10/02/2024	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	10/01/2024	ND	192	96.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	185	92.6	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ SURF (H245941-10)

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	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	41600	16.0	10/02/2024	ND	416	104	400	7.41	QM-07

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	10/02/2024	ND	192	96.0	200	1.09		
DRO >C10-C28*	56500	100	10/02/2024	ND	185	92.6	200	3.02		
EXT DRO >C28-C36	13100	100	10/02/2024	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 1810 % 49.1-148

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Analytical Results For:

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Received:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 1' (H245941-11)

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	10/02/2024	ND	1.99	99.6	2.00	6.75		
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79		
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11		
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03		
Total BTEX	<0.300	0.300	10/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	7440	16.0	10/02/2024	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	10/02/2024	ND	192	96.0	200	1.09		
DRO >C10-C28*	89.9	10.0	10/02/2024	ND	185	92.6	200	3.02		
EXT DRO >C28-C36	27.8	10.0	10/02/2024	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Received:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 2' (H245941-12)

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	10/02/2024	ND	1.99	99.6	2.00	6.75		
Toluene*	<0.050	0.050	10/02/2024	ND	2.05	103	2.00	6.79		
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11		
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03		
Total BTEX	<0.300	0.300	10/02/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	8000	16.0	10/02/2024	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	10/02/2024	ND	192	96.0	200	1.09		
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	185	92.6	200	3.02		
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Received:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 3' (H245941-13)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	6800	16.0	10/02/2024	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	10/02/2024	ND	192	96.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	185	92.6	200	3.02	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 4' (H245941-14)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	8530	16.0	10/02/2024	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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Analytical Results For:

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Received:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 5' (H245941-15)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	9200	16.0	10/02/2024	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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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Analytical Results For:

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 Fax To:

Received:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 7' (H245941-16)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	8000	16.0	10/02/2024	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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 9' (H245941-17)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4160	16.0	10/02/2024	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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 11' (H245941-18)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	8300	16.0	10/02/2024	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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 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:	10/01/2024	Sampling Date:	09/30/2024
Reported:	10/07/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 2 @ 13' (H245941-19)

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	10/03/2024	ND	2.09	105	2.00	1.21	
Toluene*	<0.050	0.050	10/03/2024	ND	2.17	109	2.00	0.480	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.21	110	2.00	0.134	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.69	111	6.00	0.465	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	208	16.0	10/02/2024	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	10/02/2024	ND	224	112	200	9.55	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	209	104	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 57.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 49.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 #: 21047 Project Owner: Mewbourne
Project Name: Devon 121 W2PAI FEE #1H
Project Location: 32.13718, -104.13343
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)

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: 10-1-24 Time: 08:27
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: -13 Corrected Temp. °C: -13.0
Sample Condition Cool Intact [Blank] Yes [Blank] No [Blank]
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [Blank] Rush [X]
Bacteria (only) Sample Condition Cool Intact [Blank] Yes [Blank] No [Blank]
Observed Temp. °C [Blank] Corrected Temp. °C [Blank]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company information (Etch Environmental & Safety Solutions, Inc.), project details (Project Manager: Lance Crenshaw, Project Name: Devon 121 W2PAI FEE #1H), and a table for analysis request with columns for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling. The table lists 9 samples (11-19) with 'X' marks in the TPH and BTEX columns.

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.

Form for Relinquished/Received By, Date, Time, Verbal Result, and Sample Condition. Includes handwritten signatures and dates (10-1-24, 08:27) and checkboxes for 'Standard' and 'Rush'.



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

October 08, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/02/24 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". 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ SURF (H245991-01)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	95000	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	922	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	394	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 1' (H245991-02)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	8160	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 2' (H245991-03)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	10200	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 3' (H245991-04)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16400	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 4' (H245991-05)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	11600	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 6' (H245991-06)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	14800	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 8' (H245991-07)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	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	6400	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 10' (H245991-08)

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	10/03/2024	ND	2.17	108	2.00	6.20	
Toluene*	<0.050	0.050	10/03/2024	ND	2.25	112	2.00	5.47	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.28	114	2.00	5.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.87	115	6.00	4.47	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	9600	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 12' (H245991-09)

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	10/03/2024	ND	2.12	106	2.00	0.671	
Toluene*	<0.050	0.050	10/03/2024	ND	2.12	106	2.00	3.36	QR-03
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.18	109	2.00	4.30	QR-03
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.50	108	6.00	4.55	QR-03
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	4400	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 110 % 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:	10/02/2024	Sampling Date:	10/01/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: TT 3 @ 14' (H245991-10)

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	10/03/2024	ND	2.12	106	2.00	0.671	
Toluene*	<0.050	0.050	10/03/2024	ND	2.12	106	2.00	3.36	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.18	109	2.00	4.30	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.50	108	6.00	4.55	
Total BTEX	<0.300	0.300	10/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	272	16.0	10/03/2024	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	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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 #: 21047 Project Owner: Mewbourne
Project Name: Devon 121 W2PAI FEE #1H
Project Location: 32.13718, -104.13343
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)

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Relinquished By: [Signature] Date: 10/22/24 Time: 1445
Received By: [Signature] Date:
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: -7.7C Corrected Temp. °C: -8.3C
Sample Condition Cool Intact [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [X] Rush []
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] No [] No Corrected Temp. °C



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

October 10, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/04/24 10:04.

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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 1 @ 4' (H246051-01)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/07/2024	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	10/05/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/05/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/05/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 2 @ 4' (H246051-02)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/07/2024	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	10/05/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/05/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/05/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 3 @ 4' (H246051-03)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1890	16.0	10/07/2024	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	10/05/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/05/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/05/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 4 @ 4' (H246051-04)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	10/07/2024	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	10/05/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	58.7	10.0	10/05/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/05/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Analytical Results For:

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Received:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 5 @ 4' (H246051-05)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/07/2024	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	10/05/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/05/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/05/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 6 @ 4' (H246051-06)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	10/07/2024	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	10/05/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/05/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/05/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 7 @ 4' (H246051-07)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 8 @ 4' (H246051-08)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 9 @ 4' (H246051-09)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 10 @ 4' (H246051-10)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2560	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 11 @ 4' (H246051-11)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1090	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 12 @ 4' (H246051-12)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	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	496	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 1 (H246051-13)

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	10/05/2024	ND	1.99	99.4	2.00	8.54		
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0		
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4		
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88		
Total BTEX	<0.300	0.300	10/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	96.0	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51		
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND						

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 2 (H246051-14)

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	10/05/2024	ND	1.99	99.4	2.00	8.54		
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0		
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4		
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88		
Total BTEX	<0.300	0.300	10/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	128	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51		
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND						

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 3 (H246051-15)

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	10/05/2024	ND	1.99	99.4	2.00	8.54	
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0	
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4	
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88	
Total BTEX	<0.300	0.300	10/05/2024	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	192	16.0	10/07/2024	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	10/06/2024	ND	192	95.8	200	2.51	
DRO >C10-C28*	<10.0	10.0	10/06/2024	ND	187	93.5	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	10/06/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 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:	10/04/2024	Sampling Date:	10/03/2024
Reported:	10/10/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 4 (H246051-16)

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	10/05/2024	ND	1.99	99.4	2.00	8.54		
Toluene*	<0.050	0.050	10/05/2024	ND	2.01	101	2.00	10.0		
Ethylbenzene*	<0.050	0.050	10/05/2024	ND	2.12	106	2.00	10.4		
Total Xylenes*	<0.150	0.150	10/05/2024	ND	6.35	106	6.00	9.88		
Total BTEX	<0.300	0.300	10/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	208	16.0	10/07/2024	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	10/07/2024	ND	189	94.5	200	0.336		
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	184	92.1	200	0.0505		
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND						

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 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 #: 21047 Project Owner: Mewbourne
Project Name: Devon 121 W2PAI FEE #1H
Project Location: 32.13718, -104.13343
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)

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Relinquished By: [Signature] Date: 10/04/24 Time: 1004
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [X] 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 1.0°C Corrected Temp. °C 0.4°C
Sample Condition Cool Intact [X] Yes [] No [] Yes [] No
CHECKED BY: (Initials) AP
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition Cool Intact [] Yes [] No [] Yes [] No
Thermometer ID #140 Correction Factor -0.6°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 #: 21047 Project Owner: Mewbourne
Project Name: Devon 121 W2PAI FEE #1H
Project Location: 32.13718, -104.13343
Sampler Name: Aaron Rios
BILL TO ANALYSIS REQUEST
Chloride TPH (8015M) BTEX (8021B)
Lab I.D. Sample I.D. MATRIX PRESERV. SAMPLING
GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME

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Relinquished By: [Signature] Date: 10/04/24 Time: 1000
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 10.02 Sample Condition Cool Intact [] Yes [] No [] No [] No
Corrected Temp. °C 0.42 CHECKED BY: (Initials) AP
Turnaround Time: Standard [] Rush [X] Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No Corrected Temp. °C
Thermometer ID #140 Correction Factor -0.6°C



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

October 11, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/07/24 14:48.

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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 13@4' (H246084-01)

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	10/08/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/08/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/08/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/08/2024	ND	6.20	103	6.00	6.97	
Total BTEX	<0.300	0.300	10/08/2024	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	2920	16.0	10/08/2024	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	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 14@4' (H246084-02)

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	10/09/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/09/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	6.20	103	6.00	6.97	
Total BTEX	<0.300	0.300	10/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	3400	16.0	10/08/2024	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	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 15@4' (H246084-03)

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	10/09/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/09/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	6.20	103	6.00	6.97	
Total BTEX	<0.300	0.300	10/09/2024	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	2720	16.0	10/08/2024	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	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 16@4' (H246084-04)

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	10/09/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/09/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	6.20	103	6.00	6.97	
Total BTEX	<0.300	0.300	10/09/2024	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	5040	16.0	10/08/2024	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	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	23.2	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 17@4' (H246084-05)

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	10/09/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/09/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	6.20	103	6.00	6.97	
Total BTEX	<0.300	0.300	10/09/2024	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	3000	16.0	10/08/2024	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	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 18@4' (H246084-06)

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	10/09/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/09/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	6.20	103	6.00	6.97	
Total BTEX	<0.300	0.300	10/09/2024	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	3560	16.0	10/08/2024	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	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 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:	10/07/2024	Sampling Date:	10/04/2024
Reported:	10/11/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 5 (H246084-07)

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	10/09/2024	ND	2.10	105	2.00	0.171	
Toluene*	<0.050	0.050	10/09/2024	ND	2.05	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.09	104	2.00	6.10	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	6.20	103	6.00	6.97	
Total BTEX	<0.300	0.300	10/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	128	16.0	10/08/2024	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	10/09/2024	ND	190	95.0	200	1.40	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	185	92.5	200	5.94	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 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

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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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

Form containing company information (Company Name: Etech Environmental & Safety Solutions, Inc.), project details (Project Manager: Lance Crenshaw), and a table for analysis request with columns for Lab I.D., Sample I.D., Matrix, Preservation, Sampling, and Analysis Request parameters.

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.

Form for Relinquished/Received By, Date, Time, Verbal Result, and Sample Condition. Includes fields for 'Delivered By', 'Observed Temp.', 'Sample Condition', and 'Turnaround Time'.



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

October 14, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/08/24 14:49.

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:	10/08/2024	Sampling Date:	10/07/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 19 @ 4' (H246118-01)

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	10/09/2024	ND	2.23	111	2.00	1.39	
Toluene*	<0.050	0.050	10/09/2024	ND	2.31	116	2.00	4.72	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.40	120	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	7.23	121	6.00	7.81	
Total BTEX	<0.300	0.300	10/09/2024	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	5200	16.0	10/09/2024	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	10/09/2024	ND	208	104	200	2.22	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	194	96.8	200	0.964	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:	10/08/2024	Sampling Date:	10/07/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 20 @ 4' (H246118-02)

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	10/09/2024	ND	2.23	111	2.00	1.39	
Toluene*	<0.050	0.050	10/09/2024	ND	2.31	116	2.00	4.72	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.40	120	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	7.23	121	6.00	7.81	
Total BTEX	<0.300	0.300	10/09/2024	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	4640	16.0	10/09/2024	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	10/09/2024	ND	208	104	200	2.22	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	194	96.8	200	0.964	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 118 % 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:	10/08/2024	Sampling Date:	10/07/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 21 @ 4' (H246118-03)

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	10/09/2024	ND	2.23	111	2.00	1.39	
Toluene*	<0.050	0.050	10/09/2024	ND	2.31	116	2.00	4.72	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.40	120	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	7.23	121	6.00	7.81	
Total BTEX	<0.300	0.300	10/09/2024	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	1480	16.0	10/09/2024	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	10/09/2024	ND	208	104	200	2.22	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	194	96.8	200	0.964	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:	10/08/2024	Sampling Date:	10/07/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 22 @ 4' (H246118-04)

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	10/09/2024	ND	2.23	111	2.00	1.39	
Toluene*	<0.050	0.050	10/09/2024	ND	2.31	116	2.00	4.72	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.40	120	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	7.23	121	6.00	7.81	
Total BTEX	<0.300	0.300	10/09/2024	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	1180	16.0	10/09/2024	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	10/09/2024	ND	208	104	200	2.22	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	194	96.8	200	0.964	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 127 % 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:	10/08/2024	Sampling Date:	10/07/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 23 @ 4' (H246118-05)

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	10/09/2024	ND	2.23	111	2.00	1.39	
Toluene*	<0.050	0.050	10/09/2024	ND	2.31	116	2.00	4.72	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.40	120	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	7.23	121	6.00	7.81	
Total BTEX	<0.300	0.300	10/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1580	16.0	10/09/2024	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	10/09/2024	ND	208	104	200	2.22	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	194	96.8	200	0.964	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 115 % 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:	10/08/2024	Sampling Date:	10/07/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 24 @ 4' (H246118-06)

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	10/09/2024	ND	2.23	111	2.00	1.39	
Toluene*	<0.050	0.050	10/09/2024	ND	2.31	116	2.00	4.72	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.40	120	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	7.23	121	6.00	7.81	
Total BTEX	<0.300	0.300	10/09/2024	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	96.0	16.0	10/09/2024	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	10/09/2024	ND	208	104	200	2.22	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	194	96.8	200	0.964	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	10/08/2024	Sampling Date:	10/07/2024
Reported:	10/14/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 5 (H246118-07)

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	10/09/2024	ND	2.23	111	2.00	1.39	
Toluene*	<0.050	0.050	10/09/2024	ND	2.31	116	2.00	4.72	
Ethylbenzene*	<0.050	0.050	10/09/2024	ND	2.40	120	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/09/2024	ND	7.23	121	6.00	7.81	
Total BTEX	<0.300	0.300	10/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	16.0	16.0	10/09/2024	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	10/09/2024	ND	208	104	200	2.22	
DRO >C10-C28*	<10.0	10.0	10/09/2024	ND	194	96.8	200	0.964	
EXT DRO >C28-C36	<10.0	10.0	10/09/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

October 15, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/09/24 14:58.

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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 25 @ 4' (H246148-01)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1400	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 26 @ 4' (H246148-02)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 27 @ 4' (H246148-03)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	53.1	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 28 @ 4' (H246148-04)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 77.5-125

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	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
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Received:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 29 @ 4' (H246148-05)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 30 @ 4' (H246148-06)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.2 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 31 @ 4' (H246148-07)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 77.5-125

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	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 32 @ 4' (H246148-08)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: SW 1 (H246148-09)

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	10/10/2024	ND	2.13	106	2.00	5.09		
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5		
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6		
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4		
Total BTEX	<0.300	0.300	10/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 77.5-125

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	10/10/2024	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	10/10/2024	ND	210	105	200	0.657		
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND						

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.7 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: EW 1 (H246148-10)

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	10/10/2024	ND	2.13	106	2.00	5.09		
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5		
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6		
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4		
Total BTEX	<0.300	0.300	10/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657		
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND						

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: WW 1 (H246148-11)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: WW 2 (H246148-12)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 77.5-125

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 6 (H246148-13)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 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:	10/09/2024	Sampling Date:	10/07/2024
Reported:	10/15/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 7 (H246148-14)

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	10/10/2024	ND	2.13	106	2.00	5.09	
Toluene*	<0.050	0.050	10/10/2024	ND	2.29	115	2.00	11.5	
Ethylbenzene*	<0.050	0.050	10/10/2024	ND	2.44	122	2.00	15.6	
Total Xylenes*	<0.150	0.150	10/10/2024	ND	7.32	122	6.00	16.4	
Total BTEX	<0.300	0.300	10/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 77.5-125

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/10/2024	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	10/10/2024	ND	210	105	200	0.657	
DRO >C10-C28*	<10.0	10.0	10/10/2024	ND	196	97.9	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	10/10/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company information (Etch Environmental & Safety Solutions, Inc.), project details (Project Manager: Lance Crenshaw), and a table of analysis requests with columns for Lab I.D., Sample I.D., Matrix (Groundwater, Wastewater, Soil, Oil, Sludge), Preservation (Acid/Base, Ice/Cool), Sampling (Date, Time), and Analytes (Chloride, TPH, BTEX).

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.

Form for handover and results, including fields for Relinquished/Received By, Date/Time, Verbal Result, Remarks, and Sample Condition (Cool/Intact, Yes/No).



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 #: 21047 Project Owner: Mewbourne
Project Name: Devon 121 W2PAI FEE #1H
Project Location: 32.13718, -104.13343
Sampler Name: Aaron Rios
BILL TO: P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:

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: 10-9-24 Time: 1458
Received By: [Signature] Date:
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: -1.6°C Corrected Temp. °C: -2.2°C
Sample Condition Cool Intact [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [X] Rush []
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No Corrected Temp. °C



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

October 16, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/10/24 14:48.

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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 34 @ 4' (H246187-01)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2760	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 35 @ 4' (H246187-02)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	5600	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 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: 10/10/2024
 Reported: 10/16/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/09/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 36 @ 4' (H246187-03)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	4400	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 37 @ 4' (H246187-04)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1550	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 38 @ 4' (H246187-05)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	3280	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	200	100	200	3.47	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	181	90.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 39 @ 4' (H246187-06)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	5520	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	205	103	200	0.571	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	198	99.0	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 40 @ 4' (H246187-07)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	3360	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	205	103	200	0.571	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	198	99.0	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 41 @ 4' (H246187-08)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	3040	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	205	103	200	0.571	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	198	99.0	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: SW 2 (H246187-09)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	48.0	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	205	103	200	0.571	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	198	99.0	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: SW 3 (H246187-10)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	205	103	200	0.571	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	198	99.0	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 8 (H246187-11)

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	10/14/2024	ND	1.92	96.0	2.00	3.60	
Toluene*	<0.050	0.050	10/14/2024	ND	1.97	98.6	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.00	99.9	2.00	3.04	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	5.95	99.2	6.00	2.73	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	205	103	200	0.571	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	198	99.0	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 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:	10/10/2024	Sampling Date:	10/09/2024
Reported:	10/16/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: NW 9 (H246187-12)

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	10/14/2024	ND	2.07	103	2.00	3.35	
Toluene*	<0.050	0.050	10/14/2024	ND	2.01	101	2.00	4.05	
Ethylbenzene*	<0.050	0.050	10/14/2024	ND	2.07	103	2.00	3.92	
Total Xylenes*	<0.150	0.150	10/14/2024	ND	6.19	103	6.00	3.92	
Total BTEX	<0.300	0.300	10/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	32.0	16.0	10/11/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/11/2024	ND	205	103	200	0.571	
DRO >C10-C28*	<10.0	10.0	10/11/2024	ND	198	99.0	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	10/11/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.6 % 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

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 #: 21047 Project Owner: Mewbourne
Project Name: Devon 121 W2PAI FEE #1H
Project Location: 32.13718, -104.13343
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)

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: 10-10-24 Time: 1448
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: 20.0 Corrected Temp. °C: 20.0
Sample Condition: Cool Intact [] Yes [] No
CHECKED BY: (Initials) AD
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition: Cool Intact [] Yes [] No Observed Temp. °C: Corrected Temp. °C:



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

October 17, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/11/24 14:53.

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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: BACKFILL PIT (H246218-01)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	384	16.0	10/16/2024	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	10/15/2024	ND	217	108	200	3.13	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	209	105	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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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 #: 21047 Project Owner: Mewbourne
Project Name: Devon 121 W2PAI FEE #1H
Project Location: 32.13718, -104.13343
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: 10-11-24 Time: 1453
Received By: [Signature] Date: Received By:
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: -7.4°C Sample Condition: Cool Intact [] Yes [] No
Corrected Temp. °C: -8.2°C CHECKED BY: [Signature] Turnaround Time: Standard [] Rush [X] Bacteria (only) Sample Condition: Cool Intact [] Yes [] No Observed Temp. °C: Corrected Temp. °C: Thermometer ID #140 Correction Factor -0.6°C



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

October 17, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/11/24 14:53.

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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 42 @ 4' (H246219-01)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10/16/2024	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	10/15/2024	ND	217	108	200	3.13	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	209	105	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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: 10/11/2024
 Reported: 10/17/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 43 @ 4' (H246219-02)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	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	10300	16.0	10/16/2024	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	10/15/2024	ND	217	108	200	3.13	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	209	105	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 44 @ 4' (H246219-03)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	6000	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 45 @ 4' (H246219-04)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	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	6130	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 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: 10/11/2024
 Reported: 10/17/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 46 @ 4' (H246219-05)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	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	3360	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 47 @ 4' (H246219-06)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	976	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 48 @ 4' (H246219-07)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	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	4600	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 49 @ 4' (H246219-08)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	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	2880	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 50 @ 4' (H246219-09)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	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	4960	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 51 @ 4' (H246219-10)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	5760	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 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:	10/11/2024	Sampling Date:	10/10/2024
Reported:	10/17/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: SW 4 (H246219-11)

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	10/16/2024	ND	2.02	101	2.00	1.83	
Toluene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.84	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.08	104	2.00	4.63	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.33	105	6.00	4.79	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	128	16.0	10/16/2024	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	10/15/2024	ND	198	98.8	200	0.347	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	204	102	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company information (Etech Environmental & Safety Solutions, Inc.), project details (Project Manager: Lance Crenshaw, Project Name: Devon 121 W2PAI FEE #1H), and a table for analysis request with columns for Lab I.D., Sample I.D., Matrix, Preservation, and Sampling.

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.

Form for Relinquished/Received By, Date, Time, Verbal Result, and Sample Condition. Includes handwritten signatures and dates like 10-11-24 and 1453.



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October 18, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/14/24 9:03.

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:	10/14/2024	Sampling Date:	10/11/2024
Reported:	10/18/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 52 @ 4' (H246230-01)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	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	5120	16.0	10/17/2024	ND	448	112	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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: 10/14/2024
 Reported: 10/18/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 53 @ 4' (H246230-02)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	5200	16.0	10/17/2024	ND	448	112	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 10/14/2024
 Reported: 10/18/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 54 @ 4' (H246230-03)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	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	800	16.0	10/17/2024	ND	448	112	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 10/14/2024
 Reported: 10/18/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 55 @ 4' (H246230-04)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	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	2840	16.0	10/17/2024	ND	448	112	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 10/14/2024
 Reported: 10/18/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 56 @ 4' (H246230-05)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	3760	16.0	10/17/2024	ND	448	112	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 10/14/2024
 Reported: 10/18/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 57 @ 4' (H246230-06)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	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	9460	16.0	10/17/2024	ND	448	112	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 107 % 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: 10/14/2024
 Reported: 10/18/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 58 @ 4' (H246230-07)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	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	7600	16.0	10/16/2024	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 106 % 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:	10/14/2024	Sampling Date:	10/11/2024
Reported:	10/18/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 59 @ 4' (H246230-08)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1440	16.0	10/16/2024	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 100 % 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: 10/14/2024
 Reported: 10/18/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 60 @ 4' (H246230-09)

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	10/17/2024	ND	2.20	110	2.00	7.54	
Toluene*	<0.050	0.050	10/17/2024	ND	2.11	106	2.00	7.22	
Ethylbenzene*	<0.050	0.050	10/17/2024	ND	2.12	106	2.00	6.50	
Total Xylenes*	<0.150	0.150	10/17/2024	ND	6.28	105	6.00	6.12	
Total BTEX	<0.300	0.300	10/17/2024	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	11000	16.0	10/16/2024	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	10/16/2024	ND	216	108	200	1.13	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	201	101	200	0.953	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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.
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

Form containing company information (Company Name: Etech Environmental & Safety Solutions, Inc.), project details (Project Manager: Lance Crenshaw), and a table for analysis results with columns for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling.

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.

Form for signature and results, including fields for Relinquished By, Received By, Date, Time, Verbal Result, and Sample Condition.



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

October 21, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/15/24 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".

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:	10/15/2024	Sampling Date:	10/14/2024
Reported:	10/21/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 61 @ 4' (H246274-01)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2320	16.0	10/17/2024	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	10/17/2024	ND	206	103	200	1.97	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	205	102	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 62 @ 4' (H246274-02)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	8930	16.0	10/17/2024	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	10/17/2024	ND	206	103	200	1.97	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	205	102	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 63 @ 2' (H246274-03)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	528	16.0	10/17/2024	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	10/17/2024	ND	206	103	200	1.97	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	205	102	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 64 @ 4' (H246274-04)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	9600	16.0	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:	10/15/2024	Sampling Date:	10/14/2024
Reported:	10/21/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 65 @ 4' (H246274-05)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 66 @ 4' (H246274-06)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	6000	16.0	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 67 @ 4' (H246274-07)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	9000	16.0	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	36.6	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 118 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 68 @ 4' (H246274-08)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	8130	16.0	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 69 @ 4' (H246274-09)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	10300	16.0	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 115 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 70 @ 4' (H246274-10)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	8260	16.0	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 109 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 5 (H246274-11)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	80.0	16.0	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 6 (H246274-12)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 111 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 7 (H246274-13)

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	10/18/2024	ND	2.04	102	2.00	4.09		
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00		
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07		
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25		
Total BTEX	<0.300	0.300	10/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10/17/2024	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	10/17/2024	ND	218	109	200	4.46		
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52		
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 10/15/2024
 Reported: 10/21/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 8 (H246274-14)

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	10/18/2024	ND	2.04	102	2.00	4.09	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	5.00	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.15	108	2.00	5.07	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.43	107	6.00	5.25	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10/17/2024	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	10/17/2024	ND	218	109	200	4.46	
DRO >C10-C28*	<10.0	10.0	10/17/2024	ND	201	101	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	10/17/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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.
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.				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 #: 21047 Project Owner: Mewbourne				City:																							
Project Name: Devon 121 W2PAI FEE #1H				State: Zip:																							
Project Location: 32.13718, -104.13343				Phone #:																							
Sampler Name: Aaron Rios				Fax #:																							
FOR LAB USE ONLY				MATRIX			PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
Hauwartz																											
1	FL 61 @ 4'	C	1			X				X			10/14/24		X	X	X										
2	FL 62 @ 4'	C	1			X				X			10/14/24		X	X	X										
3	FL 63 @ 2'	C	1			X				X			10/14/24		X	X	X										
4	FL 64 @ 4'	C	1			X				X			10/14/24		X	X	X										
5	FL 65 @ 4'	C	1			X				X			10/14/24		X	X	X										
6	FL 66 @ 4'	C	1			X				X			10/14/24		X	X	X										
7	FL 67 @ 4'	C	1			X				X			10/14/24		X	X	X										
8	FL 68 @ 4'	C	1			X				X			10/14/24		X	X	X										
9	FL 69 @ 4'	C	1			X				X			10/14/24		X	X	X										
10	FL 70 @ 4'	C	1			X				X			10/14/24		X	X	X										

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Relinquished By:	Date: 10-15-24 Time: 1447	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: pm@etechenv.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C = 5.9 Corrected Temp. °C = 4.5	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:
		CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #140 Correction Factor -0.6°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 information (Etech Environmental & Safety Solutions, Inc.), project details (Project Manager: Lance Crenshaw), and a table for analysis results with columns for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling.

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.

Form for Relinquished/Received By, Verbal Result, and Turnaround Time information, including handwritten signatures and dates.



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

October 22, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/17/24 8:17.

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:	10/17/2024	Sampling Date:	10/16/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 33 @ 4' (H246323-01)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	112	16.0	10/18/2024	ND	448	112	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 71 @ 4' (H246323-02)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	8600	16.0	10/18/2024	ND	448	112	400	6.90	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 111 % 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:	10/17/2024	Sampling Date:	10/16/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 72 @ 4' (H246323-03)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	8600	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 73 @ 4' (H246323-04)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	6660	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 74 @ 4' (H246323-05)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	5000	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 75 @ 4' (H246323-06)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 76 @ 4' (H246323-07)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	112	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 77 @ 4' (H246323-08)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	2440	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 78 @ 4' (H246323-09)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	1220	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 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:	10/17/2024	Sampling Date:	10/16/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 79 @ 4' (H246323-10)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	128	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 80 @ 4' (H246323-11)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	2880	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 81 @ 4' (H246323-12)

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	10/18/2024	ND	2.23	112	2.00	2.68	
Toluene*	<0.050	0.050	10/18/2024	ND	2.32	116	2.00	2.34	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.34	117	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.93	116	6.00	1.00	
Total BTEX	<0.300	0.300	10/18/2024	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	4080	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 111 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 82 @ 4' (H246323-13)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	6900	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 113 % 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:	10/17/2024	Sampling Date:	10/16/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 83 @ 4' (H246323-14)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	4000	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 84 @ 4' (H246323-15)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 85 @ 4' (H246323-16)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	7000	16.0	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 120 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 86 @ 4' (H246323-17)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	10/18/2024	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	10/18/2024	ND	213	106	200	0.168	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	203	102	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:	10/17/2024	Sampling Date:	10/16/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 87 @ 4' (H246323-18)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1090	16.0	10/18/2024	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	10/18/2024	ND	184	92.1	200	0.345	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	192	96.1	200	0.256	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 88 @ 4' (H246323-19)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	10/18/2024	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	10/18/2024	ND	184	92.1	200	0.345	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	192	96.1	200	0.256	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 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:	10/17/2024	Sampling Date:	10/16/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 89 @ 4' (H246323-20)

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	10/18/2024	ND	2.06	103	2.00	0.573	
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885	
Total BTEX	<0.300	0.300	10/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	6800	16.0	10/18/2024	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	10/18/2024	ND	184	92.1	200	0.345	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	192	96.1	200	0.256	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 2 (H246323-21)

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	10/18/2024	ND	2.06	103	2.00	0.573		
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715		
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715		
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885		
Total BTEX	<0.300	0.300	10/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	64.0	16.0	10/18/2024	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	10/18/2024	ND	184	92.1	200	0.345		
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	192	96.1	200	0.256		
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND						

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 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: 10/17/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 7 (H246323-22)

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	10/18/2024	ND	2.06	103	2.00	0.573		
Toluene*	<0.050	0.050	10/18/2024	ND	2.12	106	2.00	0.715		
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.14	107	2.00	0.715		
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.39	106	6.00	0.885		
Total BTEX	<0.300	0.300	10/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10/18/2024	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	10/18/2024	ND	184	92.1	200	0.345		
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	192	96.1	200	0.256		
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND						

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

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.		BILL TO				ANALYSIS REQUEST																					
Project Manager: Lance Crenshaw		P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)																			
Address: 2617 West Marland		Company: Mewbourne																									
City: Hobbs State: NM Zip: 88240		Attn: Connor Walker																									
Phone #: (575) 264-9884 Fax #:		Address:																									
Project #: 21047 Project Owner: Mewbourne		City:																									
Project Name: Devon 121 W2PAI FEE #1H		State: Zip:																									
Project Location: 32.13718, -104.13343		Phone #:																									
Sampler Name: Aaron Rios		Fax #:																									
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
H2H10323																											
1	FL 33 @ 4'	C	1			X				X			10/16/24		X	X	X										
2	FL 71 @ 4'	C	1			X				X			10/16/24		X	X	X										
3	FL 72 @ 4'	C	1			X				X			10/16/24		X	X	X										
4	FL 73 @ 4'	C	1			X				X			10/16/24		X	X	X										
5	FL 74 @ 4'	C	1			X				X			10/16/24		X	X	X										
6	FL 75 @ 4'	C	1			X				X			10/16/24		X	X	X										
7	FL 76 @ 4'	C	1			X				X			10/16/24		X	X	X										
8	FL 77 @ 4'	C	1			X				X			10/16/24		X	X	X										
9	FL 78 @ 4'	C	1			X				X			10/16/24		X	X	X										
10	FL 79 @ 4'	C	1			X				X			10/16/24		X	X	X										

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Relinquished By:	Date: 10/17/24 Time: 0817	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: pm@etechenv.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 <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:
		CHECKED BY: (Initials)	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C
			Thermometer ID #140 Correction Factor -0.6°C



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

October 22, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/21/24 9:49.

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:	10/21/2024	Sampling Date:	10/18/2024
Reported:	10/22/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 43 @ 4.5' (H246402-01)

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	10/21/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/21/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 10/21/2024
 Reported: 10/22/2024
 Project Name: DEVON 121 W2PAI FEE #1H
 Project Number: 21047
 Project Location: MEWBOURNE 32.13718, -104.13343

Sampling Date: 10/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 60 @ 4.5' (H246402-02)

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	10/21/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/21/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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

- 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

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

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

Form containing company information, project details, and a table for analysis results. The table has columns for Lab I.D., Sample I.D., Matrix (Groundwater, Wastewater, Soil, Oil, Sludge, Other), Preservation (Acid/Base, Ice/Cool, Other), Sampling (Date, Time), and Analytes (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.

Form for handover and results. Includes fields for Relinquished By, Received By, Date, Time, Verbal Result, Remarks (24 HOUR RUSH), Turnaround Time, and Sample Condition.



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

October 24, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DEVON 121 W2PAI FEE #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/23/24 8:39.

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:	10/23/2024	Sampling Date:	10/18/2024
Reported:	10/24/2024	Sampling Type:	Soil
Project Name:	DEVON 121 W2PAI FEE #1H	Sampling Condition:	Cool & Intact
Project Number:	21047	Sample Received By:	Alyssa Parras
Project Location:	MEWBOURNE 32.13718, -104.13343		

Sample ID: FL 69 @ 4.5' (H246455-01)

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	10/23/2024	ND	1.78	89.1	2.00	12.5	
Toluene*	<0.050	0.050	10/23/2024	ND	1.83	91.3	2.00	12.5	
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	1.84	92.0	2.00	12.3	
Total Xylenes*	<0.150	0.150	10/23/2024	ND	5.47	91.2	6.00	12.2	
Total BTEX	<0.300	0.300	10/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	9000	16.0	10/23/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	226	113	200	12.1	
DRO >C10-C28*	20.3	10.0	10/24/2024	ND	218	109	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company information (Etech Environmental & Safety Solutions, Inc.), project details (Project # 21047, Project Name: Devon 121 W2PAI FEE #1H), and a table for analysis request with columns for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling. The table includes handwritten entries for Lab I.D. 'H24455' and Sample I.D. 'FL 69 @ 4.5''.

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.

Form for Relinquished/Received By, Date, Time, Verbal Result, Remarks (24 HOUR RUSH), Turnaround Time, and Sample Condition. Includes handwritten signatures and dates.

Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us
To: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388225
Date: Monday, September 30, 2024 10:33:42 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/02/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388232
Date: Monday, September 30, 2024 10:36:25 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/03/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388236
Date: Monday, September 30, 2024 10:38:57 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/04/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388238
Date: Monday, September 30, 2024 10:42:38 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/07/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388244
Date: Monday, September 30, 2024 10:44:21 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/08/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388247
Date: Monday, September 30, 2024 10:46:22 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/09/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388249
Date: Monday, September 30, 2024 10:48:11 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/10/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 388252
Date: Monday, September 30, 2024 10:50:14 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/11/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 391107
Date: Wednesday, October 9, 2024 10:28:28 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/14/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430)

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 391112
Date: Wednesday, October 9, 2024 10:31:25 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/15/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 391116
Date: Wednesday, October 9, 2024 10:53:51 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/16/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 391132
Date: Wednesday, October 9, 2024 10:59:35 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/17/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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: [Jeff Broom](#)
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 391136
Date: Wednesday, October 9, 2024 11:03:52 AM

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#) nAPP2424855148.

The sampling event is expected to take place:

When: 10/18/2024 @ 07:30

Where: D-18-25S-28E 0 FNL 0 FEL (32.13721,-104.13333)

Additional Information: Aaron Rios, 432.701.8602

Additional Instructions: From the intersection of US-285 and Willow Lake Rd (32.183847, -104.066663), head S on US-285 for 2.66 mi, then W for 1.09 mi, then W for 1.05 mi, then W for 1.77 mi, then S to arrive at the Devon 12-1 W2PAI Fee 1H release area (32.13718, -104.133430).

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

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 402703

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2424855148
Incident Name	NAPP2424855148 DEVON 12-1 W2PI 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	Devon 12-1 W2PI SWD Line
Date Release Discovered	08/20/2024
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: Equipment Failure Pipeline (Any) Produced Water Released: 65 BBL Recovered: 20 BBL Lost: 45 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
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1220 S. St Francis Dr.
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QUESTIONS, Page 2

Action 402703

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	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: 09/04/2024
--	---

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 402703

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	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 75 and 100 (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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (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)	95000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	69600
GRO+DRO (EPA SW-846 Method 8015M)	56500
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	09/30/2024
On what date will (or did) the final sampling or liner inspection occur	10/18/2024
On what date will (or was) the remediation complete(d)	10/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	19000
What is the estimated volume (in cubic yards) that will be reclaimed	2815
What is the estimated surface area (in square feet) that will be remediated	19000
What is the estimated volume (in cubic yards) that will be remediated	3492

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.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 402703

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	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: 11/12/2024
--	---

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.
Santa Fe, NM 87505

QUESTIONS, Page 5

Action 402703

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	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

Sante Fe Main Office
Phone: (505) 476-3441

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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 6

Action 402703

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	391136
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/18/2024
What was the (estimated) number of samples that were to be gathered	700
What was the sampling surface area in square feet	14000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

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	19000
What was the total volume (cubic yards) remediated	3492
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	19000
What was the total volume (in cubic yards) reclaimed	2815
Summarize any additional remediation activities not included by answers (above)	Please see remediation summary for complete 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: 11/12/2024
--	---

Sante Fe Main Office
Phone: (505) 476-3441

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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 7

Action 402703

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	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

Sante Fe Main Office
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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CONDITIONS

Action 402703

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 402703
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	11/27/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	11/27/2024
scott.rodgers	All future soil samples must be received at the laboratory within the EPA method approved preservation temperature (4°C +/- 2°C)	11/27/2024