

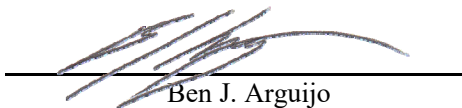
Amended Remediation Summary & Soil Closure Request

Mewbourne Oil Company CWMS Fleetwood Riser

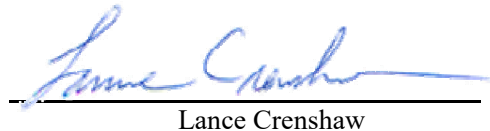
Eddy County, New Mexico
Unit Letter "P", Section 36, Township 24 South, Range 28 East
Latitude 32.169196° North, Longitude 104.032474° West
NMOCD Reference No. nAPP2308026482

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 *Amended Remediation Summary & Soil Closure Request* for the release site known as the CWMS Fleetwood Riser. Details of the release are summarized below:

Location of Release Source

Latitude: 32.169196° Longitude: -104.032474°

Provided GPS are in WGS84 format.

Site Name:	CWMS Fleetwood Riser	Site Type:	Pipeline
Date Release Discovered:	3/6/2023	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"P"	36	24S	28E	Eddy

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

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) 226	Volume Recovered (bbls) 50
	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:

A gate valve on a produced water pipeline developed a hole due to corrosion.

Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the 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 51 and 75 (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?	½ to 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	½ to 1 (mi.)
An occupied permanent residence, school, hospital, institution or church?	1 to 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	½ to 1 (mi.)
Any other fresh water well or spring?	½ to 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	½ to 1 (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	½ to 1 (mi.)
Categorize the risk of this well/site being in a karst geology.	High
A 100-year floodplain?	½ to 1 (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 CWMS Fleetwood Riser release site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, a delineation soil boring was advanced to a total depth of 65 feet bgs during the initial site assessment (see Section 3.0 below). No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment. Depth to groundwater information is provided as 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 on Figures 1, 2A, 2B, 4, and 5.

On August 7, 2024, in accordance with New Mexico State Land Office (NMSLO) remediation guidelines and the Cultural Properties Protection Rule, an archaeological/cultural survey was conducted at the release site. The survey included a 100-foot cultural buffer around the inferred affected area, resulting in an Area of Potential Effects (APE) measuring approximately 21.95 acres (8.87 hectares). According to the New Mexico Cultural Resource Information System (NMCRIIS) Investigation Abstract Form (NIAF), "All portions of the survey area were safely accessed and inventoried. Pedestrian inventory identified no new or previously documented archaeological sites or historic cultural properties. One isolate, a piece of lithic debris was discovered and is recommended not eligible for NRHP listing. No additional investigation or treatment is recommended regarding the current undertaking..." A copy of the NIAF is provided as Appendix F.

3.0 INITIAL SITE ASSESSMENT

On March 24, 2023, Etech conducted an initial site assessment. During the site assessment, a series of test trenches (V2, V3, and V4) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected and field-screened for concentrations of chloride utilizing a Hach Quantab ® chloride test kit and/or the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses.

Based on field observations and field test data, five (5) delineation soil samples (V2 @ 3', V2 @ 5', V2 @ 11', V3 @ 3', and V4 @ 6') 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 in the areas characterized by sample points V3 and V4. However, additional delineation was required in the area characterized by sample point V2.

On March 27, 2023, Etech continued the initial site assessment. Two (2) additional delineation trenches (V5 and V6) were advanced within the release margins to further investigate the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected and field-screened for concentrations of chloride and VOCs.

Based on field observations and field test data, two (2) delineation soil samples (V5 @ 10' and V6 @ 6') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined in the areas characterized by sample points V5 and V6.

On March 28, 2023, Etech continued the initial site assessment. An environmental drilling rig was utilized to advance a soil boring (V1) near the point of release to further investigate the vertical extent of impacted soil. The soil boring was advanced in increments of five (5) to six (6) feet to a total depth of approximately 65 feet below ground surface (bgs). A soil boring was also advanced in the area characterized by sample point V2 to a total depth of approximately 27 feet bgs. During the advancement of the soil borings, soil samples were collected and field-screened for concentrations of chloride and VOCs.

Based on field observations and field test data, a total of 13 delineation soil samples (V1 @ 5' through V1 @ 65' and V2B @ 5' through V2 @ 27') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were less than the applicable laboratory method detection limit (MDL) in each of the submitted soil samples, with the exception of soil sample V1 @ 5', which exhibited a TPH concentration of 171 mg/kg. Chloride concentrations ranged from 320 mg/kg in soil sample V2 @ 27' to 1,550 mg/kg in soil sample V1 @ 5'.

On March 28, 2023, based on a trend of spiking chloride concentrations in soil borings V1 and V2 at depths and levels incongruent with what was reasonably expected from the release, two (2) additional soil borings (BG3 and BG4) were advanced in non-impacted areas at the site to determine the background concentration of chloride in the area. The soil borings were advanced to total depths of 10 feet (BG3) and 60 feet bgs (BG4). A total of six (6) background soil samples (BG3 @ 10', BG4 @ 20', BG4 @ 30', BG4 @ 40', BG4 @ 50', and BG4 @ 60') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations were less than the laboratory MDL in each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL in soil samples BG3 @ 10', BG4 @ 30', and BG4 @ 50' to 65.0 mg/kg in soil sample BG4 @ 20'. Chloride concentrations ranged from 352 mg/kg in soil sample BG4 @ 50' to 1,520 mg/kg in soil sample BG3 @ 10'.

On March 29, 2023, Etech advanced a hand-augered soil boring (BG2) to further investigate the background concentration of chloride in the area. A total of four (4) background soil samples (BG2 @ 1', BG2 @ 2', BG2 @ 3', and BG2 @ 4') were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 80.0 mg/kg in soil sample BG2 @ 1' to 1,360 mg/kg in soil sample BG2 @ 3'.

On April 18, 2023, Etech advanced four (4) additional hand-augered soil borings (BG5 through BG8) to further investigate the background concentration of chloride in the area. A total of 20 background soil samples (BG5 @ SUR, BG5 @ 1, BG5 @ 2, BG5 @ 3, BG5 @ 4, BG6 @ SUR, BG6 @ 1, BG6 @ 2, BG6 @ 3, BG6 @ 4, BG7 @ SUR, BG7 @ 1, BG7 @ 2, BG7 @ 3, BG7 @ 4, BG8 @ SUR, BG8 @ 1, BG8 @ 2, BG8 @ 3, and BG8 @ 4) were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from less than the laboratory MDL in soil samples BG5 @ 2, BG5 @ 3, BG6 @ SUR, and BG8 @ 3 to 2,600 mg/kg in soil sample BG6 @ 3.

On April 20, 2023, a representative from Mewbourne Oil Company contacted the NMOCD Artesia District Office to seek guidance on establishing the appropriate Closure Criteria for the release based on background sampling data. According to the NMOCD's directive in the email dated April 21, 2023, "all background samples should be collected in 1-foot increments down to the prospective excavation depth of the release area. The four background numbers at a depth of 1 foot should be averaged. The four background numbers at a depth of 2 feet should be averaged and so on. The composite numbers will be used for the final background numbers."

The locations of the delineation and background sample points are depicted in Figure 3A, "Site & Sample Location Map (Delineation)". Copies of all regulatory correspondence are provided in Appendix E.

4.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the information summarized above and the background sampling event conducted on September 17, 2024 (see Section 5.0 below), the NMOCD Closure Criteria for the CWMS Fleetwood Riser release are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria**†	Depth
Between 51 and 75 (ft.)	Chloride (Cl ⁻)	EPA 300.0 or SM4500 Cl B	600	0' - 7'
			See Table 2	7' - 15'
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	All
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	N/A	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	All
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	All

* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

5.0 REMEDIATION ACTIVITIES SUMMARY

On May 8, 2023, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the established NMOCD Closure Criteria 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 floors of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria. 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 to the laboratory for analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	2,600	BG6 @ 3	4/18/2023	3	In-Situ
TPH	171	V1 @ 5'	3/28/2023	5	In-Situ
GRO + DRO	103	V1 @ 5'	3/28/2023	5	In-Situ
Benzene	<0.050	All submitted samples	See Table 1	0 - 65	In-Situ & Excavated
BTEX	<0.300	All submitted samples	See Table 1	0 - 65	In-Situ & Excavated

Please reference the attached Tables 1 & 2.

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?	5/8/2023	
On what date will (or did) the final sampling or liner inspection occur?	9/25/2024	
On what date will (or was) the remediation complete(d)?	10/1/2024	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	21,686	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	2,747	
What was the total surface area (sq. ft.) that has or will be remediated?	21,686	
What was the total volume (cy) that has or will be remediated?	5,932	
This remediation utilized the following processes to remediate/reduce contaminants:		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes/Fertilizer, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	R360 Red Bluff Facility	
NMOCD Disposal Facility ID?	Texas	
Summarize any additional remediation activities not included by answers above.	See below	

On May 9, 2023, Etech collected 13 confirmation soil samples (NW 1, EW 1, EW 2, SW 1, WW 1, WW 2, and FL 1 through FL 7) from the sidewalls and 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 in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 400 mg/kg in soil sample FL 7 to 864 mg/kg in soil sample SW 1.

On May 10, 2023, Etech collected 21 confirmation soil samples (NW 2, EW 3 through EW 6, SW 3, WW 3, WW 4, and FL 8 @ 3 through 20) from the sidewalls and 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 in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 80.0 mg/kg in soil sample EW 4 to 944 mg/kg in soil sample 20.

On May 12, 2023, Etech collected 26 confirmation soil samples (EW 7, EW 8, EW 9, WW 5, WW 6, WW 8, and FL 21 @ 3 through FL 40 @ 3) from the sidewalls and 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 and TPH concentrations were below the applicable NMOCD Closure Criteria and laboratory MDL in each of the submitted soil samples, with the exception of soil sample FL 32 @ 3, which exhibited a TPH concentration of 16.6 mg/kg. Chloride concentrations ranged from 128 mg/kg in soil sample FL 38 @ 3 to 2,200 mg/kg in soil sample FL 26 @ 3. Chloride concentrations in soil samples WW 8, FL 26 @ 3 and FL 37 @ 3 exceeded the NMOCD Closure Criterion.

On May 15, 2023, Etech collected 30 confirmation soil samples (NW 3, EW 10 through EW 14, SW 4, WW 7, WW 9 through WW 13, and FL 41 @ 3 through FL 57 @ 3) from the sidewalls and 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 and TPH concentrations were below the applicable NMOCD Closure Criteria and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil samples FL 55 @ 3 and FL 57 @ 3 to 1,680 mg/kg in soil sample FL 42 @ 3, which exceeded the NMOCD Closure Criterion.

On May 18, 2023, the excavation was further advanced in the areas characterized by soil samples WW 8, FL 26 @ 3, and FL 37 @ 3. Etech collected three (3) confirmation soil samples (WW 8 B, FL 26 @ 4, and FL 37 @ 4) from the sidewalls and floor of the newly 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 in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples FL 26 @ 4 and FL 37 @ 4 to 1,580 mg/kg in soil sample WW 8B.

On May 22, 2023, the excavation was further advanced in the area characterized by soil sample FL 42 @ 3. Etech collected one (1) confirmation soil sample (FL 42 @ 4) from the floor of the newly excavated area. The soil sample was 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. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. The chloride concentration was 960 mg/kg.

On August 1, 2023, based on laboratory analytical results and field activities conducted to that point, a *Remediation Summary & Soil Closure Request* was submitted to the NMOCD requesting regulatory closure of the release. The closure request was subsequently denied by the NMOCD on January 10, 2024, on the basis that the chloride Closure Criteria for the release had been calculated incorrectly, as not all background soil sample results had been included when determining the average background chloride concentrations at each 1-foot increment.

In accordance with the NMOCD, the chloride Closure Criteria for each 1-foot increment from ground surface to four (4) feet bgs was recalculated utilizing all of the appropriate background sampling data. A review of laboratory analytical results from previously collected excavation confirmation soil samples indicated that the chloride concentrations in soil samples EW 8, WW 7, WW 8, FL 27 @ 3', FL 28 @ 3', FL 29 @ 3', FL 30 @ 3', FL 32 @ 3', and FL 41 @ 3' exceeded the revised Closure Criteria and would require resampling. The revised chloride Closure Criteria are listed in the table in Section 4.0 above.

On February 12, 2024, Etech utilized a backhoe to reopen and resample the backfilled excavation. A total of nine (9) confirmation soil samples (EW 8B, WW 7B, WW 8C, FL 27 @ 4', FL 28 @ 4', FL 29 @ 4', FL 30 @ 4', FL 32 @ 4', and FL 41 @ 4') were collected from the sidewalls and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL, with the exception of soil sample FL 27 @ 4', which exhibited a TPH concentration of 10.0 mg/kg. Chloride concentrations ranged from 752 mg/kg in soil samples FL 30 @ 4' and FL 32 @ 4' to 1,230 mg/kg in soil sample FL 27 @ 4'. Chloride concentrations in soil samples WW 7B, WW 8C, FL 27 @ 4', and FL 29 @ 4' exceeded the revised NMOCD Closure Criterion.

On February 21, 2024, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples WW 7B, WW 8C, FL 27 @ 4', and FL 29 @ 4'. Etech collected four (4) confirmation soil samples (WW 7C, WW 8D, FL 27 @ 5', and FL 29 @ 5') from the sidewalls and 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 concentrations were less than the NMOCD Closure Criteria and laboratory MDL in each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL in soil samples WW 7C and WW 8D to 136 mg/kg in soil sample FL 29 @ 5'. The TPH

concentrations in soil samples FL 27 @ 5' and FL 29 @ 5' exceeded the NMOCD Closure Criterion. Chloride concentrations were less than the revised NMOCD Closure Criteria in each of the submitted soil samples and ranged from 512 mg/kg in soil sample WW 8D to 688 mg/kg in soil samples FL 27 @ 5' and FL 29 @ 5'.

On March 6, 2024, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FL 27 @ 5' and FL 29 @ 5'. Etech collected two (2) confirmation soil samples (FL 27 @ 6' and FL 29 @ 6') 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 BTEX and TPH were below the applicable NMOCD Closure Criteria and laboratory MDL in each of the submitted soil samples. Chloride concentrations were less than the revised NMOCD Closure Criteria in each of the submitted soil samples and ranged from 432 mg/kg in soil sample FL 29 @ 6' to 480 mg/kg in soil sample FL 27 @ 6'.

On April 30, 2024, based on laboratory analytical results and field activities conducted to that point, an *Amended Remediation Summary & Soil Closure Request* was submitted to the NMOCD requesting regulatory closure of the release. The closure request was subsequently denied by the NMOCD on May 8, 2024, on the basis that the C-141 was incomplete and "the submitted application indicates a conflict between the questions answered and the attachments that have been submitted." In addition, the averages utilized to determine the chloride Closure Criterion had been calculated incorrectly, and "V1 was not excavated to 5' and TPH exceeded Table 1 closure standards at 5'. This area needs remediation. Contamination exceeding Table 1 closure standards for dtgw [sic] <50 feet still remains at V1, V2, BG2, BG3, BG4, BG6, BG7 and needs remediation."

On June 26, 2024, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NW 1, EW 1, SW 1, and WW 1. Etech collected four (4) confirmation soil samples (NW 1, EW 1, SW 1, and WW 1) from the 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 and TPH concentrations were below the applicable NMOCD Closure Criteria and laboratory MDL in each of the submitted soil samples. Chloride concentrations exceeded the NMOCD Closure Criterion in each of the submitted samples and ranged from 704 mg/kg in soil sample SW 1 to 800 mg/kg in soil sample EW 1. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples NW 1, EW 1, SW 1, and WW 1.

On September 17, 2024, in accordance with the NMOCD email dated July 17, 2024, four (4) additional test trenches (BG-A through BG-D) were advanced in the areas characterized by test trenches BG5 through BG8 to further investigate the background concentration of chloride. The test trenches were advanced in increments of one (1) foot to total depths of approximately 15 feet bgs. During the advancement of the test trenches, soil samples were collected and field-screened for concentrations of chloride utilizing a chloride test kit and/or the presence of VOCs utilizing olfactory/visual senses.

Based on field observations and field test data, a total of 64 background soil samples 64 (BG A @ Surf through BG A @ 15', BG B @ Surf through BG B @ 15', BG C @ Surf through BG C @ 15', and BG D @ Surf through BG D @ 15') were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from less than the laboratory MDL in soil sample BG C @ 5' to 1,760 mg/kg in soil sample BG C @ 14'.

On September 24, 2024, Etech collected eight (8) confirmation soil samples (NW 2B, EW 1B, SW 1B, SW 3B, FL 1 @ 5', FL 3 @ 5', FL 9 @ 7', and FL 10 @ 6') from the sidewalls and 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 NMOCD Reclamation Standards in each of the submitted soil samples. TPH and BTEX were also less than the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample SW 3B to 544 mg/kg in soil sample FL 10 @ 6'.

On September 25, 2024, Etech collected 25 confirmation soil samples (NW 1B, EW 7B, EW 8C, EW 9B, EW 13B, WW 1B, WW 5B, WW 11B, WW 12B, FL 12 @ 5', FL 13 @ 4', FL 14 @ 6', FL 16 @ 5', FL 20 @ 5', FL 28 @ 5', FL 30 @ 6', FL 32 @ 5' through FL 35 @ 4', FL 41 @ 5', FL 42 @ 5', FL 45 @ 4', FL 46 @ 4', and FL 51 @ 4') from the sidewalls and 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 NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample WW 11B to 560 mg/kg in soil sample FL 30 @ 6'.

The final dimensions of the excavated area were approximately 968 feet in length, 10 to 65 feet in width, and three (3) to seven (7) feet in depth. During the course of remediation activities, Etech transported approximately 5,932 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 5,936 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

The locations of the background test trenches are depicted in Figure 3A, "Site & Sample Location Map (Delineation)". Confirmation soil sample locations and the extent of the excavated area are depicted in Figure 3B, "Site & Sample Location Map (Excavation)". Soil chemistry data is summarized in Tables 1 and 2. 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?	21,686	
What was the total volume (cy) remediated?	5,932	

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 that in-situ concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company, provide copies of this *Amended Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the CWMS Fleetwood Riser release site.

7.0 RESTORATION, RECLAMATION & RE-VEGETATION

On June 27, 2024, a 5-point composite soil sample (Stockpile 1) 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 concentrations. 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 September 26 through October 1, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Stockpile 1) 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.

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?	21,686	
What was the total volume (in cubic yards) reclaimed?	2,747	

8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Amended 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

Hobbs Field Office

New Mexico State Land Office

2827 North Dal Paso Street

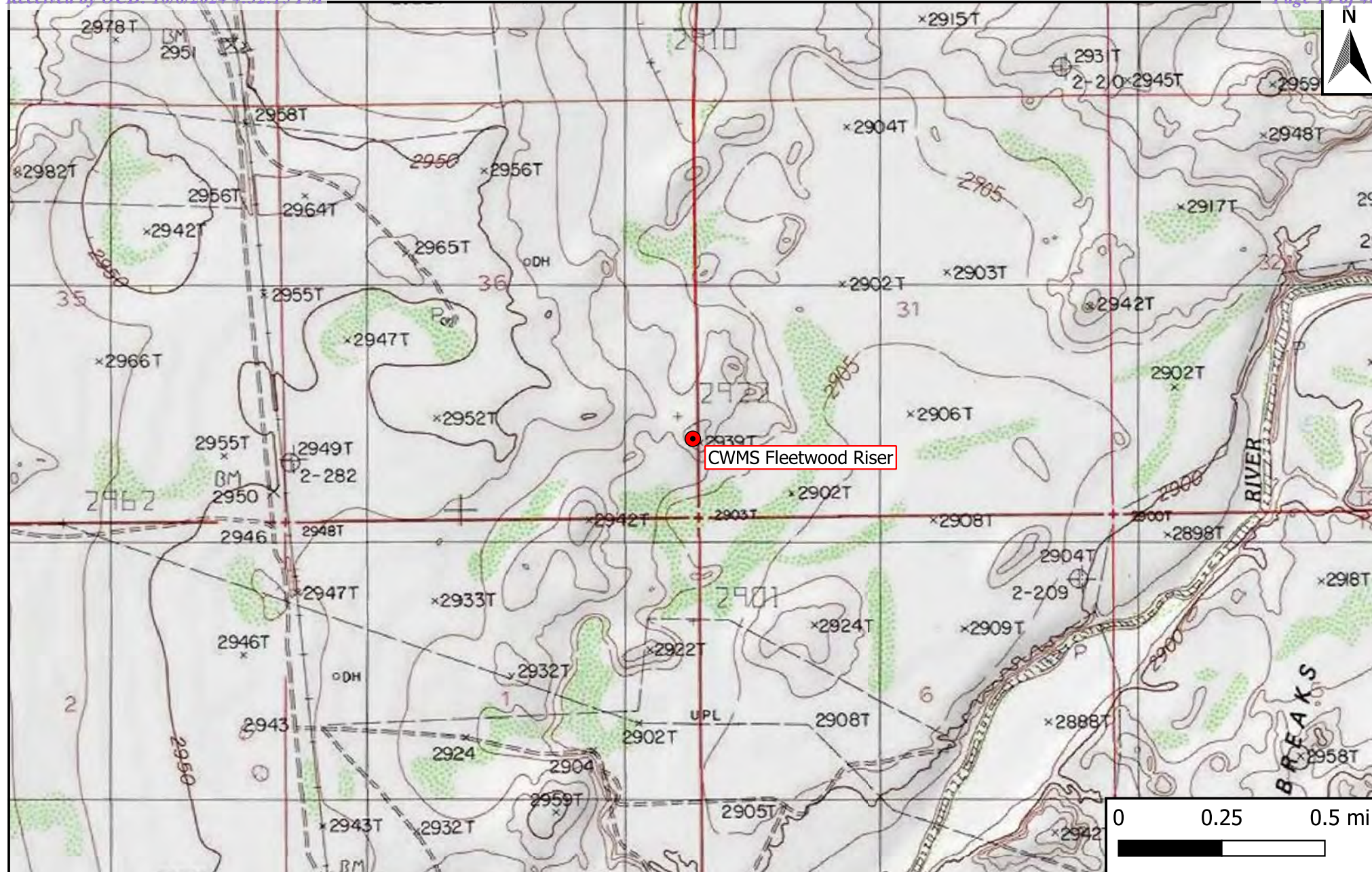
Suite 117

Hobbs, NM 88240

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1
 Topographic Map
 Mewbourne Oil Company
 CWMS Fleetwood Riser
 GPS: 32.169196, -104.032474
 Eddy County



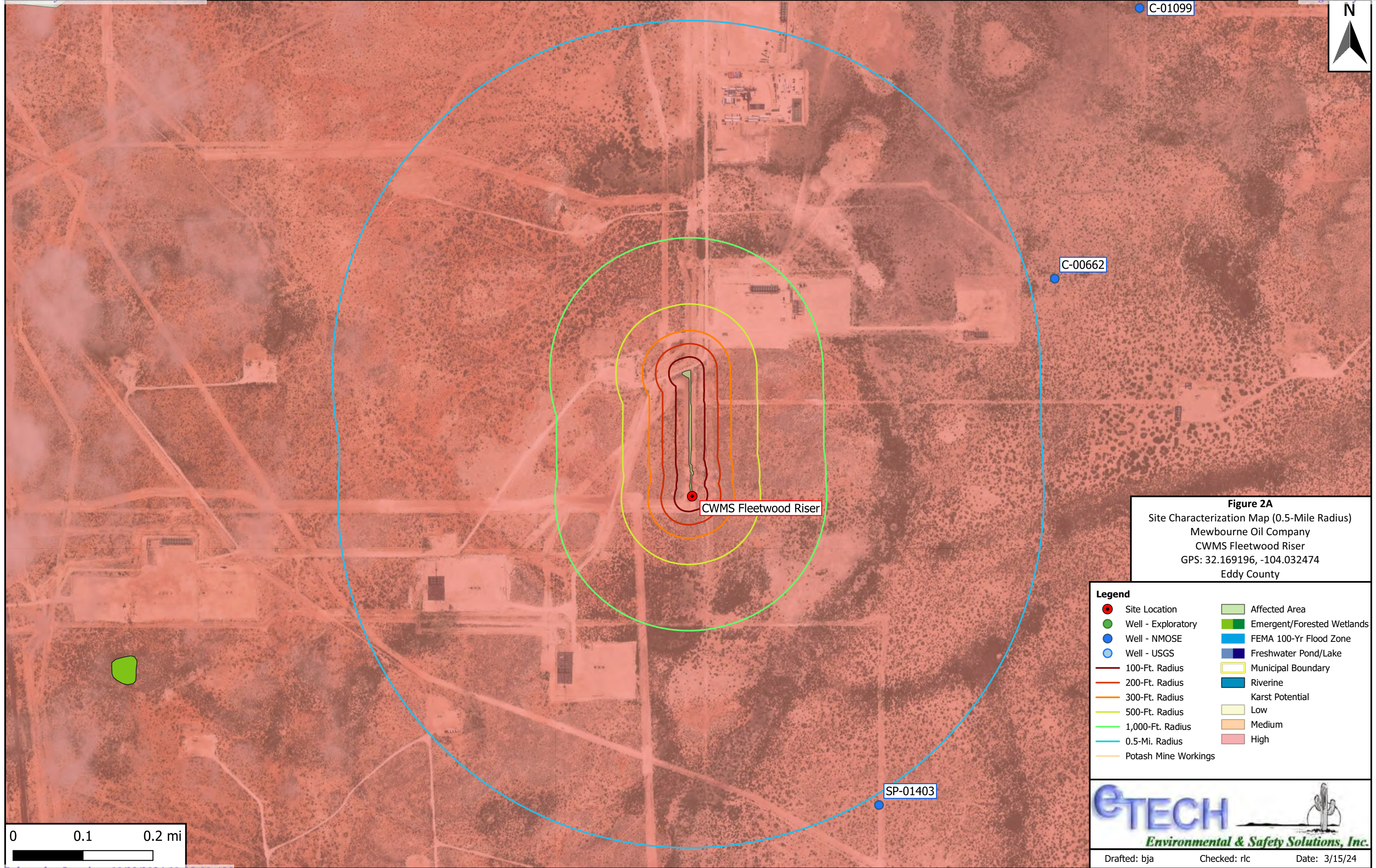
Drafted: bja

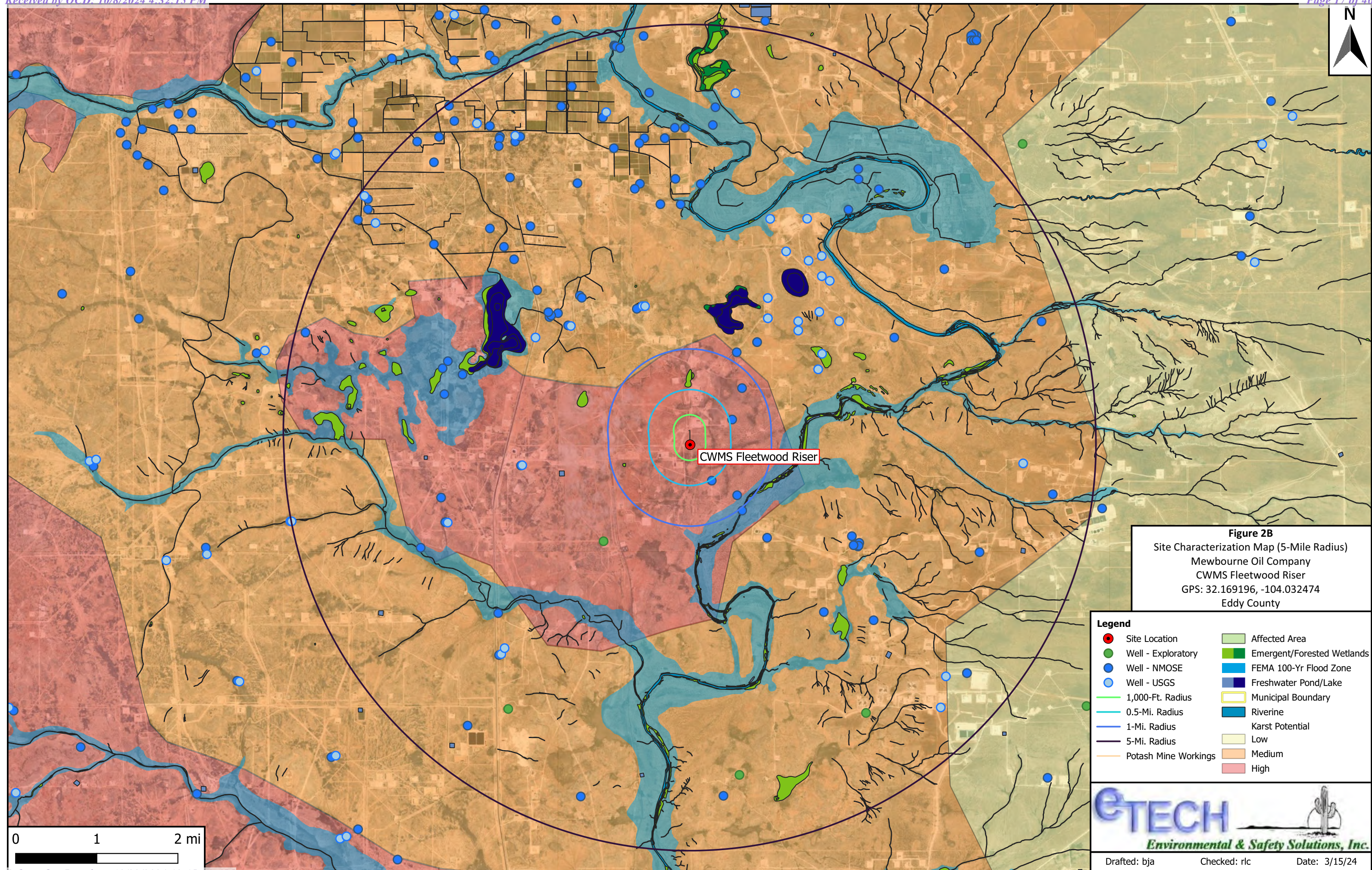
Checked: lc

Date: 6/16/23

Figures 2A & 2B

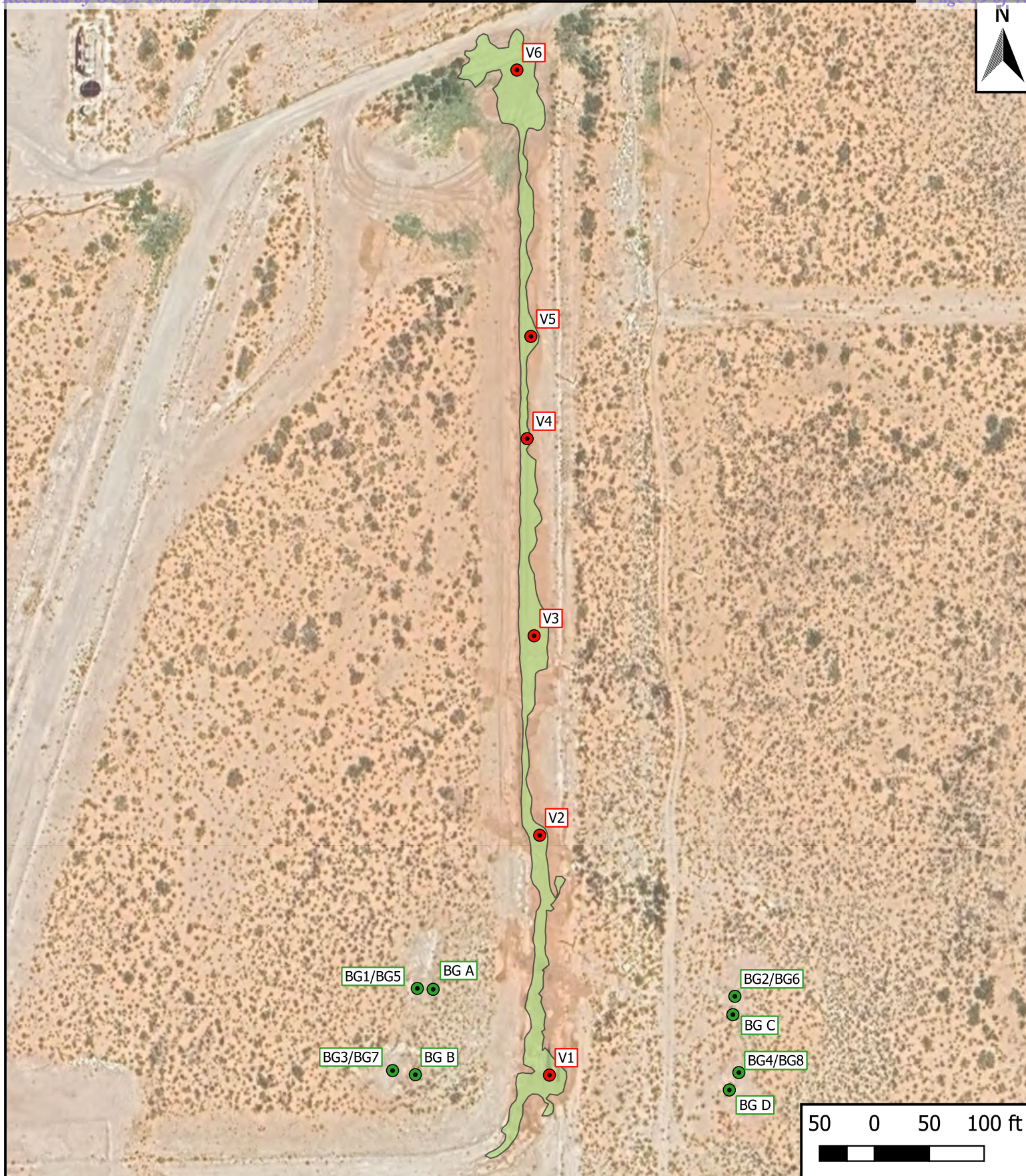
Site Characterization Maps





Figures 3A & 3B

Site & Sample Location Maps



Legend

- Affected Area (15,864 ft²)
- Background Sample Location
- Delineation Sample Location

Figure 3A

Site & Sample Location Map (Delineation)
 Mewbourne Oil Company
 CWMS Fleetwood Riser
 GPS: 32.169196, -104.032474
 Eddy County



Drafted: bja

Checked: rlc

Date: 10/8/24



Drafted: bja Checked: lc Date: 9/25/24

Tables 1 & 2
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil (Excavation) Mewbourne Oil Company CWMS Fleetwood Riser NMOCD Ref. #: nAPP2308026482											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
Excavation Samples											
NW 1	5/9/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
NW 1	6/26/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
NW 1B	9/25/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 2	5/10/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
NW 2B	9/24/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
NW 3	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 1	5/9/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
EW 1	6/26/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
EW 1B	9/24/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 2	5/9/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
EW 3	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
EW 4	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 5	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 6	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EW 7	5/12/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
EW 7B	9/25/2024	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
EW 8	5/12/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,330
EW 8 B	2/12/2024	0-4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
EW 8C	9/25/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
EW 9	5/12/2023	0-4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	816
EW 9B	9/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
EW 10	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
EW 11	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
EW 12	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
EW 13	5/15/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
EW 13B	9/25/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
EW 14	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SW 1	5/9/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
SW 1	6/26/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
SW 1B	9/24/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 3	5/10/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
SW 3B	9/24/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 4	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
WW 1	5/9/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
WW 1	6/26/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
WW 1B	9/25/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
WW 2	5/9/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
WW 3	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
WW 4	5/10/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
WW 5	5/12/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
WW 5B	9/25/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 6	5/12/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
WW 7	5/15/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360

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 (Excavation)
Mewbourne Oil Company
CWMS Fleetwood Riser
NMOCD Ref. #: nAPP2308026482

NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
WW 7 B	2/12/2024	0-4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,170
WW 7C	2/21/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
WW 8	5/12/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
WW 8 B	5/18/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,580
WW 8 C	2/12/2024	0-4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
WW 8D	2/21/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
WW 9	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
WW 10	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
WW 11	5/15/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
WW 11B	9/25/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 12	5/15/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
WW 12B	9/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
WW 13	5/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 1 @ 3'	5/9/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 1 @ 5'	9/24/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
FL 2 @ 3'	5/9/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 3 @ 3'	5/9/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 3 @ 5'	9/24/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 4 @ 3'	5/9/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 5 @ 3'	5/9/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FL 6 @ 3'	5/9/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 7 @ 3'	5/9/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 8 @ 3'	5/10/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 9 @ 3'	5/10/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 9 @ 7'	9/24/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 10 @ 3	5/10/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 10 @ 6'	9/24/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 11 @ 3	5/10/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 12 @ 3	5/10/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 12 @ 5'	9/25/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 13 @ 3	5/10/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 13 @ 4'	9/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 14 @ 3	5/10/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 14 @ 6'	9/25/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 15 @ 3	5/10/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL 16 @ 3	5/10/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL 16 @ 5'	9/25/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 17 @ 3	5/10/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 18 @ 3	5/10/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 19 @ 3	5/10/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
20	5/10/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FL 20 @ 5'	9/25/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 21 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 22 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil (Excavation)
Mewbourne Oil Company
CWMS Fleetwood Riser
NMOCD Ref. #: nAPP2308026482

NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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 23 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 24 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 25 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 26 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 26 @ 4	5/18/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 27 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
FL 27 @ 4'	2/12/2024	4	Excavated	<0.050	<0.300	<10.0	10.0	10.0	<10.0	10.0	1,230
FL 27 @ 5'	2/21/2024	5	Excavated	<0.050	<0.300	<10.0	82.4	82.4	43.3	126	688
FL 27 @ 6'	3/6/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 28 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 28 @ 4'	2/12/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
FL 28 @ 5'	9/25/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 29 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,460
FL 29 @ 4'	2/12/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL 29 @ 5'	2/21/2024	5	Excavated	<0.050	<0.300	<10.0	91.4	91.4	44.5	136	688
FL 29 @ 6'	3/6/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 30 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,500
FL 30 @ 4'	2/12/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL 30 @ 6'	9/25/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 31 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 32 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	16.6	16.6	<10.0	16.6	1,200
FL 32 @ 4'	2/12/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL 32 @ 5'	9/25/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 33 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
FL 33 @ 4'	9/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 34 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 34 @ 4'	9/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 35 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 35 @ 4'	9/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 36 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 37 @ 3	5/12/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
FL 37 @ 4	5/18/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 38 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 39 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL 40 @ 3	5/12/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 41 @ 3	5/15/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,560
FL 41 @ 4'	2/12/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 41 @ 5'	9/25/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 42 @ 3	5/15/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL 42 @ 4	5/22/2023	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
FL 42 @ 5'	9/25/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 43 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 44 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 45 @ 3	5/15/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688

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 (Excavation) Mewbourne Oil Company CWMS Fleetwood Riser NMOCD Ref. #: nAPP2308026482											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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 45 @ 4'	9/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 46 @ 3	5/15/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
FL 46 @ 4'	9/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 47 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 48 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 49 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 50 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 51 @ 3	5/15/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
FL 51 @ 4'	9/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 52 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 53 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 54 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 55 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 56 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 57 @ 3	5/15/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Backfill Sample											
Stockpile 1	6/27/2024	N/A	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128

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 2
Concentrations of BTEX, TPH & Chloride in Soil (Background & Delineation)
Mewbourne Oil Company
CWMS Fleetwood Riser
NMOCD Ref. #: nAPP2308026482

NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
Background Samples											
BG2 @ 1'	3/29/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
BG2 @ 2'	3/29/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
BG2 @ 3'	3/29/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
BG2 @ 4'	3/29/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,200
BG3 @ 10'	3/28/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,520
BG4 @ 20'	3/28/2023	20	In-Situ	<0.050	<0.300	<10.0	39.2	39.2	25.8	65.0	1,060
BG4 @ 30'	3/28/2023	30	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
BG4 @ 40'	3/28/2023	40	In-Situ	<0.050	<0.300	<10.0	14.6	14.6	10.9	25.5	432
BG4 @ 50'	3/28/2023	50	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
BG4 @ 60'	3/28/2023	60	In-Situ	<0.050	<0.300	<10.0	23.6	23.6	<10.0	23.6	464
BG5 @ SUR	4/18/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
BG5 @ 1	4/18/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG5 @ 2	4/18/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
BG5 @ 3	4/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
BG5 @ 4	4/18/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
BG6 @ SUR	4/18/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
BG6 @ 1	4/18/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
BG6 @ 2	4/18/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,720
BG6 @ 3	4/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
BG6 @ 4	4/18/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
BG7 @ SUR	4/18/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
BG7 @ 1	4/18/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG7 @ 2	4/18/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
BG7 @ 3	4/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
BG7 @ 4	4/18/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
BG8 @ SUR	4/18/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG8 @ 1	4/18/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
BG8 @ 2	4/18/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG8 @ 3	4/18/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
BG8 @ 4	4/18/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG A @ Surf	9/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG A @ 1'	9/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG A @ 2'	9/17/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
BG A @ 3'	9/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
BG A @ 4'	9/17/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
BG A @ 5'	9/17/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
BG A @ 6'	9/17/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
BG A @ 7'	9/17/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
BG A @ 8'	9/17/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
BG A @ 9'	9/17/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 2
Concentrations of BTEX, TPH & Chloride in Soil (Background & Delineation)
Mewbourne Oil Company
CWMS Fleetwood Riser
NMOCD Ref. #: nAPP2308026482

NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
BG A @ 10'	9/17/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
BG A @ 11'	9/17/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
BG A @ 12'	9/17/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
BG A @ 13'	9/17/2024	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
BG A @ 14'	9/17/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
BG A @ 15'	9/17/2024	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
BG B @ Surf	9/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
BG B @ 1'	9/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
BG B @ 2'	9/17/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
BG B @ 3'	9/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
BG B @ 4'	9/17/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
BG B @ 5'	9/17/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
BG B @ 6'	9/17/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
BG B @ 7'	9/17/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
BG B @ 8'	9/17/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
BG B @ 9'	9/17/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
BG B @ 10'	9/17/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
BG B @ 11'	9/17/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
BG B @ 12'	9/17/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
BG B @ 13'	9/17/2024	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
BG B @ 14'	9/17/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
BG B @ 15'	9/17/2024	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
BG C @ Surf	9/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
BG C @ 1'	9/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
BG C @ 2'	9/17/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG C @ 3'	9/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG C @ 4'	9/17/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
BG C @ 5'	9/17/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
BG C @ 6'	9/17/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
BG C @ 7'	9/17/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
BG C @ 8'	9/17/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
BG C @ 9'	9/17/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
BG C @ 10'	9/17/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
BG C @ 11'	9/17/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
BG C @ 12'	9/17/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
BG C @ 13'	9/17/2024	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
BG C @ 14'	9/17/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
BG C @ 15'	9/17/2024	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
BG D @ Surf	9/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
BG D @ 1'	9/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG D @ 2'	9/17/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 2 Concentrations of BTEX, TPH & Chloride in Soil (Background & Delineation) Mewbourne Oil Company CWMS Fleetwood Riser NMOCD Ref. #: nAPP2308026482											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
BG D @ 3'	9/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
BG D @ 4'	9/17/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
BG D @ 5'	9/17/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
BG D @ 6'	9/17/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
BG D @ 7'	9/17/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
BG D @ 8'	9/17/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
BG D @ 9'	9/17/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
BG D @ 10'	9/17/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
BG D @ 11'	9/17/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
BG D @ 12'	9/17/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
BG D @ 13'	9/17/2024	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,100
BG D @ 14'	9/17/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
BG D @ 15'	9/17/2024	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
Calculated Average Background Concentrations											
BG (Avg) @ 0'	9/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	28.0
BG (Avg) @ 1'	9/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	44.0
BG (Avg) @ 2'	9/17/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
BG (Avg) @ 3'	9/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	132
BG (Avg) @ 4'	9/17/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	396
BG (Avg) @ 5'	9/17/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	389
BG (Avg) @ 6'	9/17/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	376
BG (Avg) @ 7'	9/17/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
BG (Avg) @ 8'	9/17/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	644
BG (Avg) @ 9'	9/17/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	620
BG (Avg) @ 10'	9/17/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
BG (Avg) @ 11'	9/17/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	636
BG (Avg) @ 12'	9/17/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	616
BG (Avg) @ 13'	9/17/2024	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	708
BG (Avg) @ 14'	9/17/2024	14	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	836
BG (Avg) @ 15'	9/17/2024	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	488
Delineation Samples											
V1 @ 5'	3/28/2023	5	In-Situ	<0.050	<0.300	<10.0	103	103	68.3	171	1,550
V1 @ 10'	3/28/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,470
V1 @ 15'	3/28/2023	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,300
V1 @ 21'	3/28/2023	21	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
V1 @ 31'	3/28/2023	31	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
V1 @ 41'	3/28/2023	41	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
V1 @ 51'	3/28/2023	51	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
V1 @ 61'	3/28/2023	61	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
V1 @ 65'	3/28/2023	65	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
V2 @ 3'	3/24/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

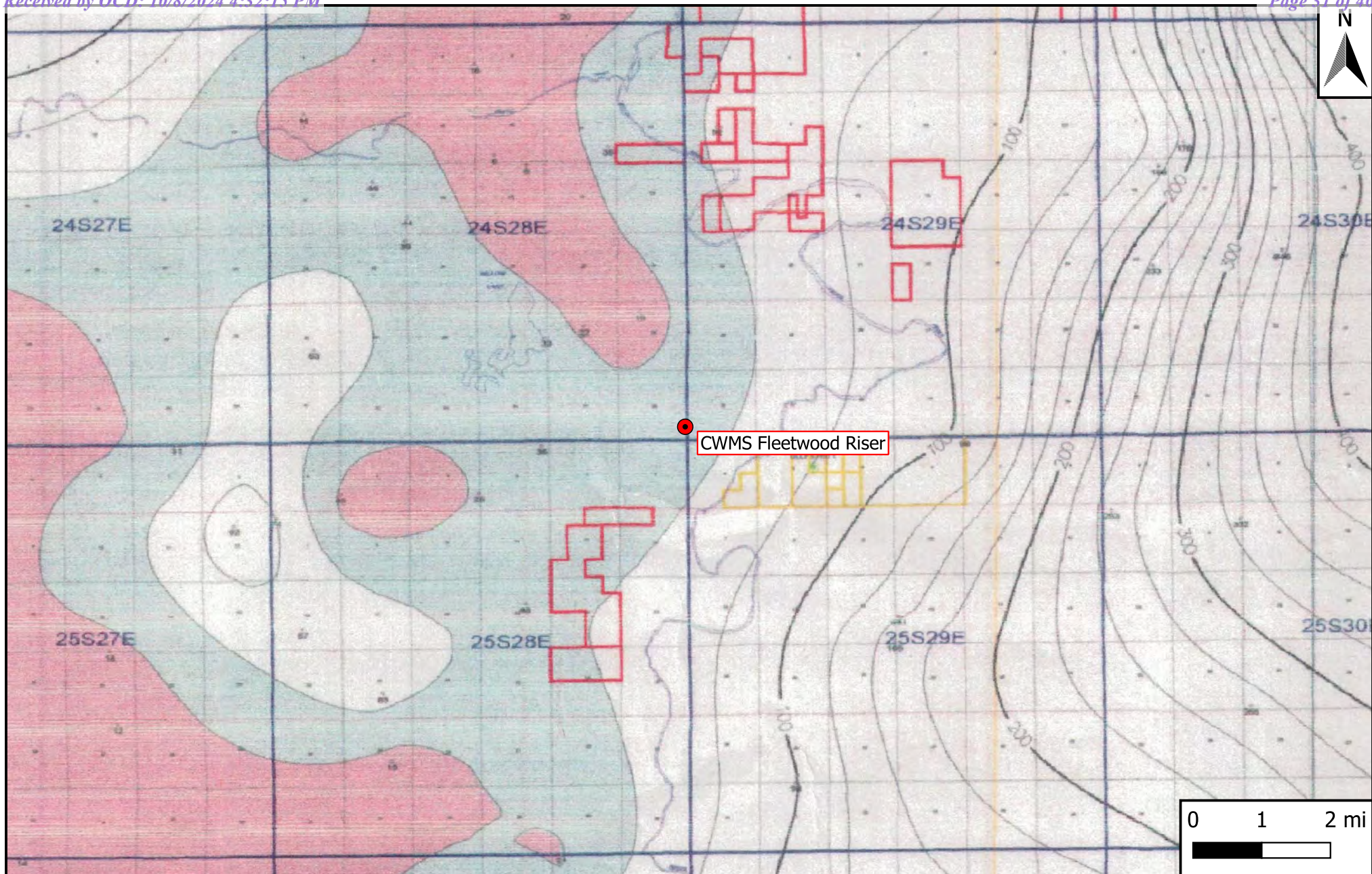
Table 2 Concentrations of BTEX, TPH & Chloride in Soil (Background & Delineation) Mewbourne Oil Company CWMS Fleetwood Riser NMOCD Ref. #: nAPP2308026482											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (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)
V2 @ 5'	3/24/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
V2B @ 5'	3/28/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,200
V2 @ 10'	3/28/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
V2 @ 11'	3/24/2023	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
V2 @ 21'	3/28/2023	21	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
V2 @ 27'	3/28/2023	27	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
V3 @ 3'	3/24/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
V4 @ 6'	3/24/2023	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
V5 @ 10'	3/27/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
V6 @ 6'	3/27/2023	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Mewbourne Oil Company
 CWMS Fleetwood Riser
 GPS: 32.169196, -104.032474
 Eddy County



Drafted: bja

Checked: lc

Date: 6/16/23



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 01880		C	ED	3	3	2	06	25S	29E	592161	3558605*	1368	85	40	45

Average Depth to Water: **40 feet**

Minimum Depth: **40 feet**

Maximum Depth: **40 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 591221.67

Northing (Y): 3559600.14

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.


7/30/23 6:59 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

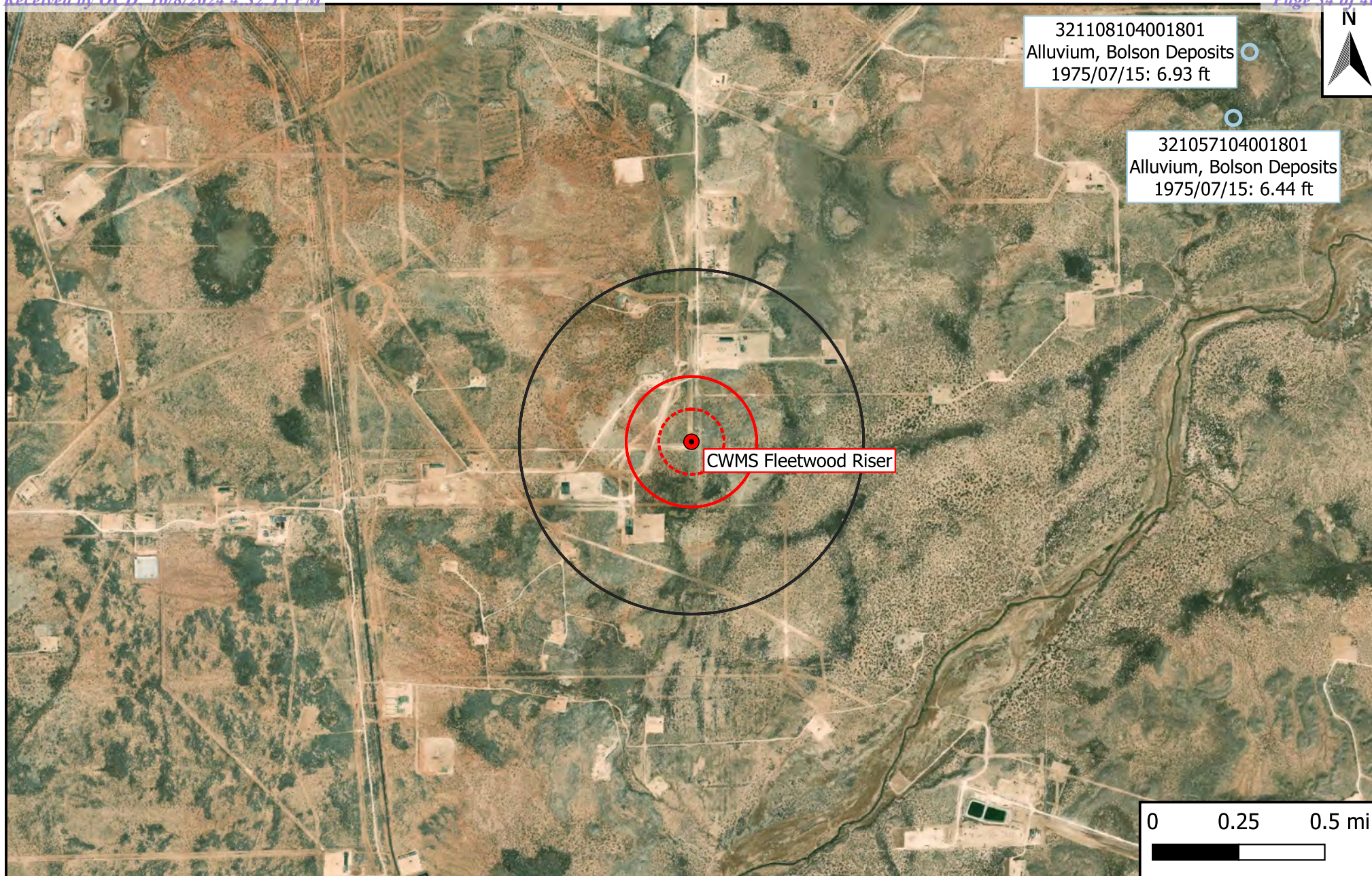
		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C	01880	3	3	2	06	25S	29E	592161	3558605*		
Driller License: 46		Driller Company:		ABBOTT BROTHERS COMPANY							
Driller Name:		MURRELL ABBOTT									
Drill Start Date: 10/29/1979		Drill Finish Date:		10/30/1979		Plug Date:					
Log File Date: 11/05/1979		PCW Rcv Date:				Source: Shallow					
Pump Type:		Pipe Discharge Size:				Estimated Yield:					
Casing Size: 7.00		Depth Well:		85 feet		Depth Water: 40 feet					
Water Bearing Stratifications:				Top	Bottom	Description					
				40	85	Sandstone/Gravel/Conglomerate					
Casing Perforations:				Top	Bottom						
				40	60						

*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.

7/30/23 7:01 PM

POINT OF DIVERSION SUMMARY



Legend

- Site Location
- Well - USGS
- ⊞ 500-Ft Radius
- ⊞ 1,000-Ft Radius
- ⊞ 0.5-Mi Radius

Figure 5

USGS Well Proximity Map
Mewbourne Oil Company
CWMS Fleetwood Riser
GPS: 32.169196, -104.032474
Eddy County



Drafted: bja

Checked: lc

Date: 6/16/23

**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** =

- 321057104001801

Minimum number of levels = 1[Save file of selected sites](#) to local disk for future upload**USGS 321057104001801 24S.29E.29.433**

Eddy County, New Mexico

Latitude 32°10'57", Longitude 104°00'18" NAD27

Land-surface elevation 2,962 feet above NGVD29

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1975-07-15		D	72019	6.44			1	O	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
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
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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0.33 0.25 nadww01



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Data Category:
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United States

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321108104001801

Minimum number of levels = 1

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

USGS 321108104001801 24S.29E.29.413

Eddy County, New Mexico

Latitude 32°11'07", Longitude 104°00'15" NAD27

Land-surface elevation 2,903 feet above NGVD29

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1975-07-15		D	72019	6.93			1	O	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
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
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: 2023-07-30 20:38:36 EDT

0.31 0.24 nadww01

Appendix B

Field Data & Soil Profile Logs



Sample Log

Date:

3/24/23

Project: Fleetwood Water Line

Project Number: 17737

Latitude: 32.170479

Longitude: -104.032535

Sample ID	PID/Odor	Chloride Conc.	GPS
V1 @ 4'	—	7.6 2272	
V1 @ 6'	—	6.4 1500	
V1 @ 8'	—	6.6 1604	
V1 @ 10'	—	5.8 1220	
V1 @ 12'	—	7.0 1840	?
V1 @ 13'	—	6.0 1308	
V1 @ 14'	—	5.6 1136	
V1 @ 15'	—	6.8 1716	
V1 @ 17'	—	7.0 1840	
V1 @ 19'	—	6.8 1716	
V1 @ 19'	—	7.0 1840	
BG1 @ 0'	—	4.2 660 660	
BG2 @ 0'	—	3.6 500 500	
V1 @ 20'	—	7.0 1840	
V2 @ 3'	—	5.4 1056	
V2 @ 5'	—	6.2 1400	
V2 @ 7'	—	6.0 1308	
V2 @ 9'	—	6.4 1500	
V2 @ 11'	—	6.0 1308	
V2 @ 13'	—	7.8 2444	
V2 @ 15'	—	7.4 2112	
V2 @ 17'	—	6.4 1500	
V2 @ 19'	—	7.2 1968	
V3 @ 3'	—	4.0 604	☆ ?
V3 @ 5'	—	8.2 7244	
V3 @ 7'	—	4.4 716	
V3 @ 7'	—	3.8 552	☆ new strips
V4 @ 3'	—	4.8 844	
V4 @ 21'	—	7.4 2112	
V4 @ 41'	—	4.6 780	
V4 @ 41.5'	—	4.2 660	
V4 @ 46'	—	3.2 408	☆

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:

3/27/23

Project: Fleetwood Water Line

Project Number: 17737

Latitude: 32.170479

Longitude: -104.032535

Sample ID	PID/Odor	Chloride Conc.	GPS
V5 @ 2'	—	8.4 2444	
V5 @ 3'	—	4.6 780	
V5 @ 4'	—	5.2 984	
V5 @ 5'	—	5.2 984	
V5 @ 6'	—	4.8 844	
V5 @ 9'	—	4.6 780	
V5 @ 10'	—	3.4 452	✱
V6 @ 3'	—	5.0 912	
V6 @ 4'	—	5.0 912	
V6 @ 5'	—	4.6 780	
V6 @ 6'	—	3.4 452	✱
— 3/28 —			
V1 @ 5'	—	6.8 1716	
V1 @ 10'	—	6.6 1604	
V1 @ 15'	—	6.6 1604	
V1 @ 17'	—	6.4 1500	
V1 @ 19'	—	6.8 1716	
V1 @ 21'	—	5.6 1136	
V1 @ 23'	—	6.0 1308	
V1 @ 25'	—	5.6 1136	
V1 @ 27'	—	5.8 1220	
V1 @ 29'	—	5.0 912	
V1 @ 31'	—	6.2 1400	
V1 @ 33'	—	5.2 984	
V1 @ 35'	—	5.0 912	
V1 @ 37'	—	5.4 1056	
V1 @ 39'	—	5.8 1220	
V1 @ 41'	—	5.0 912	
V1 @ 45'	—	5.8 1220	
V1 @ 51'	—	4.8 844	
V1 @ 55'	—	5.4 1056	
V1 @ 53'	—	6.2 1400	
V1 @ 49'	—	4.4 716	
V1 @ 61'	—	5.2 984	
V1 @ 65'	—	5.0 912	

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



Sleetwood Water Line

Date:

3/28/23

Project Number:

17737

Latitude:

32,170,479

Longitude:

-104.032535

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Fleetwood Water Line

Project Number: 17737

Latitude: 32.170479

Longitude: -104.032535

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1 @ 3	5.0	904	
FL2 @ 3	3.2	412	
FL3 @ 3	4.4	712	
FL4 @ 3	4.4	712	
EW1	5.0	904	
SW1	5.0	904	
NW1	3.2	412	
WW1	3.2	412	
FL5 @ 3	5.0	904	
FL6 @ 3	4.4	712	
WW2	4.0	600	
EW2	4.4	712	
FL7 @ 3	4.2	656	
FL8 @ 3	3.2	412	
FL9 @ 3	4.4	712	
FL10 @ 3	4.2	656	
WW3	4.4	712	
EW3	4.0	600	
FL11 @ 3	4.0	600	
FL12 @ 3	4.4	712	
FL13 @ 3	4.6	772	
SW3	4.8	836	
EW4	2.2	236	
EW5	2.2	236	
NW2	4.6	772	
FL14 @ 3	4.8	836	
FL15 @ 3	4.4	712	
FL16 @ 3	4.4	712	
FL17 @ 3	3.0	368	
FL18 @ 3	3.0	368	
FL19 @ 3	2.2	236	
WW4	3.2	412	
FL20 @ 3	5.0	904	
EW6	3.0	368	

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: Fleetwood Water Line

Project Number: 17737 Latitude: 32.170479 Longitude: -104.032535

Sample ID	PID/Odor	Chloride Conc.	GPS
WW5	5.4	1048	X
EW 7	5.7	972	
FL 21 @ 3	3.4	452	
FL 22 @ 3	3.6	500	
FL 23 @ 3	3.4	372	
FL 24 @ 3	3.0	372	
WW6	3.4	452	
FL 25 @ 3	2.8	336	
FL 26 @ 3	5.6	1124	
FL 27 @ 3	5.8	1208	
FL 28 @ 3	5.8	1208	
EW8	4.2	656	
FL 29 @ 3	3.8	552	
FL 30 @ 3	5.6	1124	
FL 31 @ 3	3.4	452	
FL 32 @ 3	3.4	452	
WW7	5.2	972	
FL 33 @ 3	3.8	552	
FL 34 @ 3	5.2	972	
FL 35 @ 3	4.4	712	
FL 36 @ 3	2.8	336	
EW9	5.2	972	
FL 37 @ 3	5.1	1124	
FL 38 @ 3	3.0	372	
FL 39 @ 3	2.0	372	
FL 40 @ 3	3.4	452	
WW8	5.6	1124	
FL 41 @ 3	6.0	1296	
FL 42 @ 3	6.0	1296	
FL 43 @ 3	4.4	716	
FL 44 @ 3	4.4	716	
EW10	6.0	1296	
WW9	4.6	772	

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: Fleetwood Water Line

Project Number: 17737 Latitude: 32.170479 Longitude: -104.032535

[illegible]

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



Project Number: #N/A Latitude: #N/A Longitude: #N/A

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: ~~Speedwagon 27 WOPAFee #21~~Project Number: 20619 Latitude: 32.268155 Longitude: -104.068167

Sample ID	PID/Odor	Chloride Conc.	GPS
BG-A @ 1'	-	N/D	
BG-A @ 2'	-	992	
BG-A @ 3'	-	992	
BG-A @ 4'	-	1176	
BG-A @ 5'	2.0	196	
BG-A @ 6'	4.2	664	
BG-A @ 7'	4.8	852	
BG-A @ 8'	4.0	608	
BG-A @ 9'	4.2	664	
BG-A @ 10'	5.4	1068	
BG-A @ 11'	4.8	608	
BG-A @ 12'	5.2	992	
BG-A @ 13'	3.0	368	
BG-A @ 14'	5.4	1068	
BG-A @ 15'	3.2	408	
BG-B @ 1'	3.0	368	
BG-B @ 2'	4.0	608	
BG-B @ 3'	3.0	368	
BG-B @ 4'	4.4	724	
BG-B @ 5'	4.2	664	
BG-B @ 6'	5.0	924	
BG-B @ 7'	4.4	724	
BG-B @ 8'	5.0	924	
BG-B @ 9'	5.0	924	
BG-B @ 10'	6.0	1320	
BG-B @ 11'	5.0	924	
BG-B @ 12'	4.4	724	
BG-B @ 13'	5.2	992	
BG-B @ 14'	5.0	924	
BG-B @ 15'	4.4	724	
BG-A @ Sur	3.8	520	
BgB @ Sur	3.4	428	
BGC @ Sur	3.4	428	
BGA @ Sur	2.4	244	

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: Whitesnake 20/21 W2BC Fee #1H Battery

Project Number: 20904 Latitude: 32.296191 Longitude: -104.11026

[illegible]

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

**Fleet Wood****Sample Log**

Date:

9-23-24Project: ~~Whitesnake 20/21 W28C Fee #1H Battery~~

Project Number:

20904

Latitude:

32.296191

Longitude:

-104.11026

Sample ID	PID/Odor	Chloride Conc.	GPS
SW1B	5.0	884	
FL104	5.2	1184	
FL304	5.4	1028	
EW1B	3.2	392	
FL105	3.0	352	
FL305	3.2	392	
SW1B	3.6	480	
FL904	7.0	1800	
FL905	6.8	1680	
FL906	6.2	1368	
FL907	3.8	528	
FL1006	4.0	580	
SW5B	4.6	752	
SW3B	4.0	580	
NW2B	4.0	580	
NW1B	3.4	436	
WW1B	3.4	436	
FL1204	5.4	1028	
FL1705	3.8	528	
FL1304	3.2	392	
FL1405	3.4	1464	
FL1406	3.8	528	
FL1604	5.4	1028	
FL1605	3.0	352	
FL2004	5.0	884	
FL2005	3.6	480	
WW5B	4.4	724	
WW5B	3.4	436	
EW7B	3.0	352	
FL2805	3.8	528	
FL3005	6.2	1368	
FL3006	3.6	480	
FL3205	2.8	284	
EW8C	3.4	436	
FL3304	3.0	354	
FL3404	3.2	394	

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

FL3504 3.6



Sample Log

Date: _____

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

[illegible]

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



Soil Profile

Date: _____

Project: Fleetwood Water Line

Project Number: 17737 Latitude: 32.170479 Longitude: -104.032535

Depth (ft. bgs)

Description

1	1-4	Gravelly loam - caliche
2	4-7	Sand-clay
3	7-15	clay
4	15-25	caliche-clay
5	25-30	caliche
6	30-40	caliche
7	40-50	caliche-clay
8	50-60	caliche-clay
9	60-65	caliche-clay
10		
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Appendix C

Photographic Log

Photographic Log

Photo Number: 1	<div><div><div>WGS84 ±16m</div><div>32.16915, -104.03248</div><div><div><div><div>2955</div><div>N0</div></div></div></div></div></div> <div><div>06Mar23 14:30 Ad-hoc Fleetwood Riser Carlsbad NM 88220, United States © 06-Mar-23 14:30:52</div></div>
Photo Direction: North	
Photo Description: View of the affected area.	

Photo Number: 2	<div><div><div>WGS84 ±16m</div><div>32.17012, -104.03251</div><div><div><div><div>2937</div><div>N356</div></div></div></div></div></div> <div><div>06Mar23 13:23 Ad-hoc Fleetwood Riser Carlsbad NM 88220, United States © 06-Mar-23 13:23:41</div></div>
Photo Direction: North	
Photo Description: View of the affected area.	

Photographic Log

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

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

Photographic Log


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

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

Photographic Log

Photo Number: 7	 <p>May 16, 2023 at 7:01 AM +32.171671,-104.032661</p>
Photo Direction: Northeast	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>May 16, 2023 at 7:01 AM +32.171671,-104.032661</p>
Photo Direction: South-Southeast	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 9	 <p>May 16, 2023 at 7:03 AM +32.170593,-104.032550</p>
Photo Direction: South-Southeast	
Photo Description: View of the excavated area.	

Photo Number: 10	 <p>May 16, 2023 at 7:04 AM +32.169723,-104.032456</p>
Photo Direction: South-Southeast	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 11	<div>June 2, 2023 at 1:00 PM +32.171907,-104.032554</div> 
Photo Direction: South	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 12	<div>June 2, 2023 at 1:01 PM +32.169732,-104.032618</div> 
Photo Direction: North	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log


Photo Number: 13	<div>June 2, 2023 at 1:01 PM +32.169732,-104.032618</div> 
Photo Direction: South	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 14	<div>June 2, 2023 at 1:02 PM +32.169344,-104.032515</div> 
Photo Direction: South-Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log



Photo Number: 15	 <p>25/09/2024 +32.171803,-104.032491</p>
Photo Direction: South	
Photo Description: View of the re-excavated area.	

Photo Number: 16	 <p>25/09/2024 +32.170346,-104.032540</p>
Photo Direction: North	
Photo Description: View of the re-excavated area.	

Photographic Log

Photo Number: 17	
Photo Direction: South	
Photo Description: View of the re-excavated area.	

Photo Number: 18	
Photo Direction: North	
Photo Description: View of the re-excavated area.	

Photographic Log

Photo Number: 19	
Photo Direction: South-Southeast	
Photo Description: View of the re-excavated area.	

Photo Number: 20	
Photo Direction: South	
Photo Description: View of the re-excavated area.	

Photographic Log



Photo Number: 21	 <p>10/1/24, 9:07 AM +32.169108,-104.032412 ±6.61m 9° N Eddy County</p>
Photo Direction: North	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 22	 <p>10/1/24, 9:07 AM +32.169204,-104.032419 ±4.61m 194° S Eddy County</p>
Photo Direction: South-Southwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log


Photo Number: 23	
Photo Direction: South-Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 24	
Photo Direction: North-Northwest	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix D

Laboratory Analytical Reports



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

March 29, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/27/23 15:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/27/2023
 Reported: 03/29/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V3 @ 3' (H231385-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	03/28/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	03/28/2023	ND	2.16	108	2.00	0.630	
Total Xylenes*	<0.150	0.150	03/28/2023	ND	6.61	110	6.00	0.0291	
Total BTX	<0.300	0.300	03/28/2023	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	528	16.0	03/28/2023	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	03/27/2023	ND	180	90.1	200	0.900	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	208	104	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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: 03/27/2023
 Reported: 03/29/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V4 @ 6' (H231385-02)

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	03/28/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	03/28/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	03/28/2023	ND	2.16	108	2.00	0.630	
Total Xylenes*	<0.150	0.150	03/28/2023	ND	6.61	110	6.00	0.0291	
Total BTEx	<0.300	0.300	03/28/2023	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	304	16.0	03/28/2023	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	03/27/2023	ND	180	90.1	200	0.900	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	208	104	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 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: 03/27/2023
 Reported: 03/29/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V5 @ 10' (H231385-03)

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	03/28/2023	ND	2.06	103	2.00	1.34		
Toluene*	<0.050	0.050	03/28/2023	ND	2.08	104	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/28/2023	ND	2.16	108	2.00	0.630		
Total Xylenes*	<0.150	0.150	03/28/2023	ND	6.61	110	6.00	0.0291		
Total BTEx	<0.300	0.300	03/28/2023	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	288	16.0	03/28/2023	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	03/27/2023	ND	180	90.1	200	0.900	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	208	104	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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: 03/27/2023
 Reported: 03/29/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V6 @ 6' (H231385-04)

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	03/28/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	03/28/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	03/28/2023	ND	2.16	108	2.00	0.630	
Total Xylenes*	<0.150	0.150	03/28/2023	ND	6.61	110	6.00	0.0291	
Total BTEx	<0.300	0.300	03/28/2023	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	80.0	16.0	03/28/2023	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	03/27/2023	ND	180	90.1	200	0.900	
DRO >C10-C28*	<10.0	10.0	03/27/2023	ND	208	104	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	03/27/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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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A handwritten signature in black ink, appearing to read "Caley D. Keene".

Caley D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 7 of 7

[illegible]



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

April 03, 2023

CONNER WALKER

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: FLEETWOOD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/29/23 15:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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:

MEWBOURNE OIL COMPANY
 CONNER WALKER
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

Received: 03/29/2023
 Reported: 04/03/2023
 Project Name: FLEETWOOD RELEASE
 Project Number: NONE GIVEN
 Project Location: FLEETWOOD RELEASE

Sampling Date: 03/29/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: BG 2 @ 1' (H231446-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2023	ND	2.12	106	2.00	10.2	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	11.3	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.14	107	2.00	11.5	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.70	112	6.00	12.2	
Total BTX	<0.300	0.300	03/31/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/31/2023	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	03/30/2023	ND	203	101	200	1.05	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	218	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:

MEWBOURNE OIL COMPANY
 CONNER WALKER
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

Received: 03/29/2023
 Reported: 04/03/2023
 Project Name: FLEETWOOD RELEASE
 Project Number: NONE GIVEN
 Project Location: FLEETWOOD RELEASE

Sampling Date: 03/29/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: BG 2 @ 2' (H231446-02)

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	03/31/2023	ND	2.12	106	2.00	10.2	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	11.3	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.14	107	2.00	11.5	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.70	112	6.00	12.2	
Total BTEx	<0.300	0.300	03/31/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/31/2023	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	03/30/2023	ND	203	101	200	1.05	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	218	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

MEWBOURNE OIL COMPANY
 CONNER WALKER
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

Received: 03/29/2023
 Reported: 04/03/2023
 Project Name: FLEETWOOD RELEASE
 Project Number: NONE GIVEN
 Project Location: FLEETWOOD RELEASE

Sampling Date: 03/29/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: BG 2 @ 3' (H231446-03)

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	03/31/2023	ND	2.12	106	2.00	10.2	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	11.3	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.14	107	2.00	11.5	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.70	112	6.00	12.2	
Total BTEX	<0.300	0.300	03/31/2023	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	1360	16.0	03/31/2023	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	03/30/2023	ND	203	101	200	1.05	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	218	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:

MEWBOURNE OIL COMPANY
 CONNER WALKER
 P. O. BOX 5270
 HOBBS NM, 88240
 Fax To: (575) 937-6252

Received: 03/29/2023
 Reported: 04/03/2023
 Project Name: FLEETWOOD RELEASE
 Project Number: NONE GIVEN
 Project Location: FLEETWOOD RELEASE

Sampling Date: 03/29/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: BG 2 @ 4' (H231446-04)

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	03/31/2023	ND	2.12	106	2.00	10.2		
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	11.3		
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.14	107	2.00	11.5		
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.70	112	6.00	12.2		
Total BTEX	<0.300	0.300	03/31/2023	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	1200	16.0	03/31/2023	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	03/30/2023	ND	203	101	200	1.05	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	218	109	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

Company Name: <u>Mewbourne OIL COMPANY</u>				BILL TO				ANALYSIS REQUEST													
Project Manager: <u>Connor Walker</u>				P.O. #:																	
Address:				Company:																	
City:		State:		Zip:		Attn:															
Phone #:		Fax #:		Address:																	
Project #:		Project Owner:		City:																	
Project Name: <u>FLEETWOOD RELEASE</u>				State: Zip:																	
Project Location: <u>FLEETWOOD RELEASE</u>				Phone #:																	
Sampler Name: <u>JEFF BROOM</u>				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							
<u>H231446</u>																					
<u>1 B6201'</u>				<u>6</u>										<u>3/29/23 1000</u>		<u>CL -</u>					
<u>2 B6202'</u>				<u>6</u>										<u>3/29/23 1010</u>		<u>BTEX</u>					
<u>3 B6203'</u>				<u>6</u>										<u>3/29/23 1015</u>		<u>EXT. TPH</u>					
<u>4 B6204'</u>				<u>6</u>										<u>3/29/23 1025</u>							

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Jeff Broom</u>		Date: <u>3/29/23</u>		Received By: <u>Turnara Olden</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>3:14 pm</u>						All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C <u>13.9</u>		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. <u>93.3</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>YO</u>	
				Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition	
				Thermometer ID #113		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				Correction Factor -0.6°C		Observed Temp. °C	
						Corrected Temp. °C	

FORM-006-R 3.3 07/18/22

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



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

April 04, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/30/23 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 1 @ 5' (H231472-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTX	<0.300	0.300	03/31/2023	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	1550	16.0	04/03/2023	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	03/31/2023	ND	215	108	200	4.42	
DRO >C10-C28*	103	10.0	03/31/2023	ND	209	105	200	1.04	
EXT DRO >C28-C36	68.3	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 1 @ 10' (H231472-02)

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	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	03/31/2023	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	1470	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 1 @ 15' (H231472-03)

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	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEx	<0.300	0.300	03/31/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 3' (H231472-04)

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	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	03/31/2023	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	2200	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
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Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 5' (H231472-05)

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	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEx	<0.300	0.300	03/31/2023	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	1760	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 11' (H231472-06)

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	03/31/2023	ND	2.09	105	2.00	5.97		
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56		
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59		
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59		
Total BTEX	<0.300	0.300	03/31/2023	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	1920	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2B @ 5' (H231472-07)

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	03/31/2023	ND	2.09	105	2.00	5.97		
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56		
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59		
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59		
Total BTEX	<0.300	0.300	03/31/2023	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	1200	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
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 HOBBS NM, 88240
 Fax To:

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 10' (H231472-08)

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	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEx	<0.300	0.300	03/31/2023	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	752	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 21' (H231472-09)

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	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	03/31/2023	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	608	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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 HOBBS NM, 88240
 Fax To:

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 27' (H231472-10)

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	04/01/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	04/01/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	04/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	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



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: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG3 @ 10' (H231472-11)

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	04/01/2023	ND	2.09	105	2.00	5.97		
Toluene*	<0.050	0.050	04/01/2023	ND	2.16	108	2.00	5.56		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	2.11	105	2.00	5.59		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.55	109	6.00	5.59		
Total BTEx	<0.300	0.300	04/01/2023	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	1520	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	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: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG4 @ 20' (H231472-12)

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	04/01/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	04/01/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.55	109	6.00	5.59	
Total BTEx	<0.300	0.300	04/01/2023	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	1060	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	39.2	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	25.8	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG4 @ 30' (H231472-13)

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	04/01/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	04/01/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	04/01/2023	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	400	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG4 @ 40' (H231472-14)

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	04/01/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	04/01/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.55	109	6.00	5.59	
Total BTEx	<0.300	0.300	04/01/2023	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	432	16.0	04/03/2023	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	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	14.6	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	10.9	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 108 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG4 @ 50' (H231472-15)

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	04/01/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	04/01/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	04/01/2023	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	352	16.0	04/03/2023	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	<10.0	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 119 % 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: 03/30/2023
 Reported: 04/04/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG4 @ 60' (H231472-16)

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	04/01/2023	ND	2.09	105	2.00	5.97		
Toluene*	<0.050	0.050	04/01/2023	ND	2.16	108	2.00	5.56		
Ethylbenzene*	<0.050	0.050	04/01/2023	ND	2.11	105	2.00	5.59		
Total Xylenes*	<0.150	0.150	04/01/2023	ND	6.55	109	6.00	5.59		
Total BTEx	<0.300	0.300	04/01/2023	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	464	16.0	04/03/2023	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	180	90.2	200	3.33	
DRO >C10-C28*	23.6	10.0	03/31/2023	ND	186	93.2	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

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 #: 17737 Project Owner: Mewbourne Project Name: Fleetwood Water Line Project Location: Rural Eddy County, NM Sampler Name: Matthew Grieco				BILL TO P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																			
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING		Chloride	TPH (8015M)	BTEX (8021B)															
Lab I.D.	Sample I.D.	(GRAB OR C) OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:				ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME										
H231472																											
1	V1 @ 5'	G	1		X								X			3/28/23		X	X	X							
2	V1 @ 10'	G	1		X								X			3/28/23		X	X	X							
3	V1 @ 15'	G	1		X								X			3/28/23		X	X	X							
4	V2 @ 3'	G	1		X								X			3/24/23		X	X	X							
5	V2 @ 5'	G	1		X								X			3/24/23		X	X	X							
6	V2 @ 11'	G	1		X								X			3/24/23		X	X	X							
7	V2b @ 5'	G	1		X								X			3/28/23		X	X	X							
8	V2 @ 10'	G	1		X					X			3/28/23		X	X	X										
9	V2 @ 21'	G	1		X					X			3/28/23		X	X	X										
10	V2 @ 27'	G	1		X					X			3/28/23		X	X	X										

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Relinquished By: Date: 3-30-23 Time: 1320	Received By: Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS:
Relinquished By: Date: Time:	Received By:	Add'l Phone #: Add'l Fax #:

Delivered By: (Circle One) **#13**

Sampler - UPS - Bus - Other: **-2.3°C / -2.9°C**

Sample Condition
 Cool ☒ Intact ☒
☐ Yes ☐ Yes
☐ No ☐ No

CHECKED BY: (Initials) **40**

Please email results and copy of CoC to pm@etechenv.com.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

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>Chloride</div> <div>TPH (8015M)</div> <div>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 #: 17737 Project Owner: Mewbourne				City:																							
Project Name: Fleetwood Water Line				State: Zip:																							
Project Location: Rural Eddy County, NM				Phone #:																							
Sampler Name: Matthew Grieco				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
H231472																											
11	BG3 @ 10'	G	1		X					X			3/28/23		X	X	X										
12	BG4 @ 20'	G	1		X					X			3/28/23		X	X	X										
13	BG4 @ 30'	G	1		X					X			3/28/23		X	X	X										
14	BG4 @ 40'	G	1		X					X			3/28/23		X	X	X										
15	BG4 @ 50'	G	1		X					X			3/28/23		X	X	X										
16	BG4 @ 60'	G	1		X					X			3/28/23		X	X	X										
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																											
Relinquished By:		Date: 3-30-23		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS: Please email results and copy of CoC to pm@etechenv.com.															
		Time: 1220																									
Relinquished By:		Date:		Received By:																							
		Time:																									
Delivered By: (Circle One)				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				CHECKED BY: (Initials) 																			
Sampler - UPS - Bus - Other:				-2.3°C / -2.9°C																							

FORM-006
Revision 1.0

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



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

April 12, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/06/23 8:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/12/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V1 @ 21' (H231613-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2023	ND	1.87	93.5	2.00	5.72	
Toluene*	<0.050	0.050	04/10/2023	ND	1.92	96.0	2.00	5.59	
Ethylbenzene*	<0.050	0.050	04/10/2023	ND	1.97	98.7	2.00	4.86	
Total Xylenes*	<0.150	0.150	04/10/2023	ND	6.13	102	6.00	2.41	
Total BTX	<0.300	0.300	04/10/2023	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	976	16.0	04/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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: 04/06/2023
 Reported: 04/12/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V1 @ 31' (H231613-02)

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	04/10/2023	ND	1.87	93.5	2.00	5.72		
Toluene*	<0.050	0.050	04/10/2023	ND	1.92	96.0	2.00	5.59		
Ethylbenzene*	<0.050	0.050	04/10/2023	ND	1.97	98.7	2.00	4.86		
Total Xylenes*	<0.150	0.150	04/10/2023	ND	6.13	102	6.00	2.41		
Total BTEX	<0.300	0.300	04/10/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 04/06/2023
 Reported: 04/12/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V1 @ 41' (H231613-03)

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	04/10/2023	ND	1.87	93.5	2.00	5.72		
Toluene*	<0.050	0.050	04/10/2023	ND	1.92	96.0	2.00	5.59		
Ethylbenzene*	<0.050	0.050	04/10/2023	ND	1.97	98.7	2.00	4.86		
Total Xylenes*	<0.150	0.150	04/10/2023	ND	6.13	102	6.00	2.41		
Total BTEX	<0.300	0.300	04/10/2023	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	448	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 04/06/2023
 Reported: 04/12/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V1 @ 51' (H231613-04)

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	04/10/2023	ND	1.87	93.5	2.00	5.72		
Toluene*	<0.050	0.050	04/10/2023	ND	1.92	96.0	2.00	5.59		
Ethylbenzene*	<0.050	0.050	04/10/2023	ND	1.97	98.7	2.00	4.86		
Total Xylenes*	<0.150	0.150	04/10/2023	ND	6.13	102	6.00	2.41		
Total BTEx	<0.300	0.300	04/10/2023	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	496	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 04/06/2023
 Reported: 04/12/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V1 @ 61' (H231613-05)

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	04/10/2023	ND	1.87	93.5	2.00	5.72		
Toluene*	<0.050	0.050	04/10/2023	ND	1.92	96.0	2.00	5.59		
Ethylbenzene*	<0.050	0.050	04/10/2023	ND	1.97	98.7	2.00	4.86		
Total Xylenes*	<0.150	0.150	04/10/2023	ND	6.13	102	6.00	2.41		
Total BTEX	<0.300	0.300	04/10/2023	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	464	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 04/06/2023
 Reported: 04/12/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V1 @ 65' (H231613-06)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/10/2023	ND	1.87	93.5	2.00	5.72		
Toluene*	<0.050	0.050	04/10/2023	ND	1.92	96.0	2.00	5.59		
Ethylbenzene*	<0.050	0.050	04/10/2023	ND	1.97	98.7	2.00	4.86		
Total Xylenes*	<0.150	0.150	04/10/2023	ND	6.13	102	6.00	2.41		
Total BTX	<0.300	0.300	04/10/2023	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	560	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 9 of 9

[illegible]



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

April 19, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/18/23 13:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 1 @ SUR (H231858-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	95.8	2.00	4.84	
Toluene*	<0.050	0.050	04/18/2023	ND	2.02	101	2.00	5.46	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.07	104	2.00	5.74	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.27	105	6.00	5.02	
Total BTX	<0.300	0.300	04/18/2023	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	48.0	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 1 @ 1 (H231858-02)

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	04/18/2023	ND	1.92	95.8	2.00	4.84		
Toluene*	<0.050	0.050	04/18/2023	ND	2.02	101	2.00	5.46		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.07	104	2.00	5.74		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.27	105	6.00	5.02		
Total BTEX	<0.300	0.300	04/18/2023	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	32.0	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 1 @ 2 (H231858-03)

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	04/18/2023	ND	1.92	95.8	2.00	4.84	
Toluene*	<0.050	0.050	04/18/2023	ND	2.02	101	2.00	5.46	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.07	104	2.00	5.74	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.27	105	6.00	5.02	
Total BTEX	<0.300	0.300	04/18/2023	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	<16.0	16.0	04/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 1 @ 3 (H231858-04)

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	04/18/2023	ND	1.92	95.8	2.00	4.84	
Toluene*	<0.050	0.050	04/18/2023	ND	2.02	101	2.00	5.46	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.07	104	2.00	5.74	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.27	105	6.00	5.02	
Total BTEX	<0.300	0.300	04/18/2023	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	<16.0	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 1 @ 4 (H231858-05)

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	04/18/2023	ND	1.92	95.8	2.00	4.84		
Toluene*	<0.050	0.050	04/18/2023	ND	2.02	101	2.00	5.46		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.07	104	2.00	5.74		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.27	105	6.00	5.02		
Total BTEX	<0.300	0.300	04/18/2023	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	288	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 2 @ SUR (H231858-06)

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	04/18/2023	ND	1.92	95.8	2.00	4.84		
Toluene*	<0.050	0.050	04/18/2023	ND	2.02	101	2.00	5.46		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.07	104	2.00	5.74		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.27	105	6.00	5.02		
Total BTEX	<0.300	0.300	04/18/2023	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	<16.0	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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

Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 2 @ 1 (H231858-07)

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	04/18/2023	ND	1.92	95.8	2.00	4.84	
Toluene*	<0.050	0.050	04/18/2023	ND	2.02	101	2.00	5.46	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.07	104	2.00	5.74	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.27	105	6.00	5.02	
Total BTEX	<0.300	0.300	04/18/2023	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	160	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 2 @ 2 (H231858-08)

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	04/18/2023	ND	1.93	96.7	2.00	20.8		
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7		
Total BTEX	<0.300	0.300	04/18/2023	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	1720	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 2 @ 3 (H231858-09)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	2600	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 2 @ 4 (H231858-10)

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	04/18/2023	ND	1.93	96.7	2.00	20.8		
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7		
Total BTEX	<0.300	0.300	04/18/2023	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	2520	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 3 @ SUR (H231858-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.93	96.7	2.00	20.8		
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7		
Total BTX	<0.300	0.300	04/18/2023	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	176	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 3 @ 1 (H231858-12)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	32.0	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 3 @ 2 (H231858-13)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	208	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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

Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 3 @ 3 (H231858-14)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	992	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 3 @ 4 (H231858-15)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	1020	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 4 @ SUR (H231858-16)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	32.0	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 4 @ 1 (H231858-17)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	16.0	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 4 @ 2 (H231858-18)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	32.0	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 4 @ 3 (H231858-19)

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	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTEX	<0.300	0.300	04/18/2023	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	<16.0	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 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: 04/18/2023
 Reported: 04/19/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 04/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BG 4 @ 4 (H231858-20)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.93	96.7	2.00	20.8	
Toluene*	<0.050	0.050	04/18/2023	ND	1.99	99.7	2.00	20.3	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	103	2.00	21.1	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.30	105	6.00	19.7	
Total BTX	<0.300	0.300	04/18/2023	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	32.0	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	183	91.7	200	6.18	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	186	93.2	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Lane 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 (8016M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>													
Address: P.O. Box 301				Company: Newbourn																	
City: Lovington		State: NM		Zip: 88260		Attn: Jeff Broom															
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address: 4801 Bus P Blvd																	
Project #:		Project Owner: Newbourn		City: Hobbs																	
Project Name: Fleetwood Water line		State: NM		Zip: 88240																	
Project Location: Rural Maliga		Phone #:																			
Sampler Name: Dominick Casarez				Fax #:																	

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH (8016M)	BTEX (8021B)
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER						
4231858	DC1	1	BG 1 @ Sur	G	1										4/18					
2			BG 1 @ 1	G	1															
3			BG 1 @ 2	G	1															
4			BG 1 @ 3	G	1															
5			BG 1 @ 4	G	1															
6			BG 2 @ Sur	G	1															
7			BG 2 @ 1	G	1															
8			BG 2 @ 2	G	1															
9			BG 2 @ 3	G	1															
10			BG 2 @ 4	G	1															

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Relinquished By: <i>[Signature]</i>		Date: 4/18	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) 2-02 C-0-02		Sample Condition: Cool <input checked="" type="checkbox"/> Infact <input checked="" type="checkbox"/>	CHECKED BY: <i>[Signature]</i>	REMARKS: Rush 24	
Sampler - UPS - Bus - Other: 2-02 #1B		<input type="checkbox"/> No <input type="checkbox"/> No		Please email results to pm@etechenv.com.	

FORM-006
Revision 1.0

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etch Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: Lane Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>															
Address: P.O. Box 301				Company: Maybourn																			
City: Lovington		State: NM		Zip: 88260		Attn: Jeff Broom																	
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address: 4801 Biscuit Bluff																			
Project #:		Project Owner: Maybourn		City: Hobbs																			
Project Name: Fleet wood water line				State: NM																Zip: 88240			
Project Location: Arrol Maliga				Phone #:																			
Sampler Name: Dominick Casarez				Fax #:																			
<small>FOR LAB USE ONLY</small>																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER	SOIL OIL SLUDGE	OTHER:	ACID/BASE: ICE / COOL OTHER:	DATE	TIME													
4231858		BG 3 @ Sur		1		✓		✓	4/14			✓	✓	✓									
11		BG 3 @ 1																					
12		BG 3 @ 2																					
13		BG 3 @ 3																					
14		BG 3 @ 4																					
15		BG 3 @ 4																					
16		BG 4 @ Sur																					
17		BG 4 @ 1																					
18		BG 4 @ 2																					
19		BG 4 @ 3																					
20		BG 4 @ 4																					
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																							
Relinquished By: [Signature]				Date: 4/18				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:							
Relinquished By:				Date: 1353				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:							
Delivered By: (Circle One) 20: C.O.V.				Sample Condition				CHECKED BY: (Initials)				REMARKS: RUSH 24 Please email results to pm@etchenv.com.											
Sampler - UPS - Bus - Other: 20: #13				Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				[Signature]															

FORM-006
Revision 1.0

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

May 16, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/10/23 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ (H232343-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	1.96	98.0	2.00	9.62	
Toluene*	<0.050	0.050	05/12/2023	ND	2.01	100	2.00	9.59	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	1.96	97.9	2.00	8.96	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.05	101	6.00	9.20	
Total BTX	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	05/12/2023	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	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 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: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ (H232343-02)

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	05/12/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/12/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ (H232343-03)

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	05/12/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/12/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	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



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: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 4 @ (H232343-04)

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	05/13/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ (H232343-05)

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	05/13/2023	ND	1.96	98.0	2.00	9.62	
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ (H232343-06)

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	05/13/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ (H232343-07)

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	05/13/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H232343-08)

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	05/13/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 2 (H232343-09)

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	05/13/2023	ND	1.96	98.0	2.00	9.62	
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H232343-10)

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	05/13/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H232343-11)

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	05/13/2023	ND	1.96	98.0	2.00	9.62	
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H232343-12)

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	05/13/2023	ND	1.96	98.0	2.00	9.62	
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/10/2023
 Reported: 05/16/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H232343-13)

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	05/13/2023	ND	1.96	98.0	2.00	9.62		
Toluene*	<0.050	0.050	05/13/2023	ND	2.01	100	2.00	9.59		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	1.96	97.9	2.00	8.96		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.05	101	6.00	9.20		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	05/12/2023	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	05/12/2023	ND	203	101	200	0.419	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	194	96.9	200	5.98	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

**• CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006

Revision 1.0

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



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

May 18, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 16:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 8 @ 3 (H232376-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTX	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 9 @ 3 (H232376-02)

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 10 @ 3 (H232376-03)

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 11 @ 3 (H232376-04)

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 12 @ 3 (H232376-05)

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 13 @ 3 (H232376-06)

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 14 @ 3 (H232376-07)

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 15 @ 3 (H232376-08)

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 16 @ 3 (H232376-09)

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 17 @ 3 (H232376-10)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEx	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 18 @ 3 (H232376-11)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: FL 19 @ 3 (H232376-12)

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	05/13/2023	ND	2.10	105	2.00	17.2		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: 20 (H232376-13)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: WW 3 (H232376-14)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: WW 4 (H232376-15)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 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: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: EW 3 (H232376-16)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: EW 4 (H232376-17)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: EW 5 (H232376-18)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEx	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: EW 6 (H232376-19)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/15/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW 3 (H232376-20)

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	05/13/2023	ND	2.10	105	2.00	17.2		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7		
Total BTEx	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	05/15/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/11/2023
 Reported: 05/18/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: NW 2 (H232376-21)

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	05/13/2023	ND	2.10	105	2.00	17.2	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.10	105	2.00	16.7	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.54	109	6.00	16.7	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/15/2023	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	05/13/2023	ND	208	104	200	3.46	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	190	94.8	200	0.606	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Lane Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
Address: P.O. Box 301				Company: Mewbourn																	
City: Lovington		State: NM		Zip: 88260		Attn: Jeff Broom															
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address: 4801 Bis p Blvd																	
Project #: 17737		Project Owner: Mewbourn		City: Hobbs																	
Project Name: Fleetwood water line				State: NM Zip: 88240																	
Project Location: Kural Eddy				Phone #:																	
Sampler Name: Dominic Casarez				Fax #:																	

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	G/RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
H232376	DL	11	FL 18 @ 3	C	1										5	10				
		12	FL 19 @ 3	C	1															
		13	20	C	1															
		14	WW3	C	1															
		15	WW4	C	1															
		16	EW3	C	1															
		17	EW4	C	1															
		18	ENS	C	1															
		19	EW6	C	1															
		20	SW3	C	1															

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Relinquished By: 	Date: 5-11-23 Time: 16:47	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS:
Relinquished By:	Date: Time:	Received By:	Add'l Phone #: Add'l Fax #: Please email results to pm@etechenv.com.
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	5.9c / 53c #113	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	

FORM-006
Revision 1.0

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

**•ARDINAL LABORATORIES**

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006
Revision 1.0

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



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

May 17, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/12/23 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 21 @ 3 (H232407-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTX	<0.300	0.300	05/15/2023	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	144	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 22 @ 3 (H232407-02)

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	05/15/2023	ND	1.99	99.3	2.00	2.52		
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29		
Total BTEx	<0.300	0.300	05/15/2023	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	144	16.0	05/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 23 @ 3 (H232407-03)

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	224	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 24 @ 3 (H232407-04)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 25 @ 3 (H232407-05)

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	352	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 59.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 49.1-148

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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 26 @ 3 (H232407-06)

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	2200	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 27 @ 3 (H232407-07)

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	1440	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 28 @ 3 (H232407-08)

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	1360	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 29 @ 3 (H232407-09)

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	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	1460	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 30 @ 3 (H232407-10)

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	05/15/2023	ND	1.99	99.3	2.00	2.52		
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29		
Total BTEX	<0.300	0.300	05/15/2023	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	1500	16.0	05/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 31 @ 3 (H232407-11)

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	05/15/2023	ND	1.99	99.3	2.00	2.52	
Toluene*	<0.050	0.050	05/15/2023	ND	2.04	102	2.00	4.75	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.18	109	2.00	5.56	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.41	107	6.00	4.29	
Total BTEX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 32 @ 3 (H232407-12)

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	05/16/2023	ND	1.99	99.3	2.00	2.52		
Toluene*	<0.050	0.050	05/16/2023	ND	2.04	102	2.00	4.75		
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.18	109	2.00	5.56		
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.41	107	6.00	4.29		
Total BTEX	<0.300	0.300	05/16/2023	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	1200	16.0	05/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	16.6	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 33 @ 3 (H232407-13)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05		
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09		
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND						

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 34 @ 3 (H232407-14)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 35 @ 3 (H232407-15)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	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	720	16.0	05/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 36 @ 3 (H232407-16)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	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	160	16.0	05/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	2.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	210	105	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 37 @ 3 (H232407-17)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	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	1920	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 38 @ 3 (H232407-18)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	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	128	16.0	05/16/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 39 @ 3 (H232407-19)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	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	304	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 40 @ 3 (H232407-20)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/16/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 7 (H232407-21)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTX	<0.300	0.300	05/15/2023	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	944	16.0	05/16/2023	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	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 8 (H232407-22)

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	05/15/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/15/2023	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	1330	16.0	05/16/2023	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	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 9 (H232407-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2023	ND	2.27	113	2.00	0.816		
Toluene*	<0.050	0.050	05/15/2023	ND	2.28	114	2.00	2.21		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.40	120	2.00	2.77		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	7.08	118	6.00	3.63		
Total BTEx	<0.300	0.300	05/15/2023	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	816	16.0	05/16/2023	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	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 5 (H232407-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/16/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/16/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	05/16/2023	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	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 6 (H232407-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2023	ND	2.27	113	2.00	0.816		
Toluene*	<0.050	0.050	05/16/2023	ND	2.28	114	2.00	2.21		
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.40	120	2.00	2.77		
Total Xylenes*	<0.150	0.150	05/16/2023	ND	7.08	118	6.00	3.63		
Total BTEX	<0.300	0.300	05/16/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/16/2023	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	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 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: 05/12/2023
 Reported: 05/17/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/12/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 8 (H232407-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/16/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/16/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	05/16/2023	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	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																	
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																	
Address: 2617 W Marland				Company: <u>Melbourne</u>																																					
City: Hobbs		State: NM		Zip: 88240		Attn: <u>Jeff Broom</u>																																			
Phone #: (575) 264-9884		Fax #:		Address: <u>4811 Bus p26</u>		City: <u>Hobbs</u>																																			
Project #: <u>17737</u>		Project Owner: <u>Melbourne</u>		State: <u>NM</u>		Zip: <u>88240</u>																																			
Project Name: <u>Fleetwood Water Line</u>				Phone #:																																					
Project Location: <u>Rural EDDY</u>				Fax #:																																					
Sampler Name: <u>Dominic Casarez</u>																																									
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																													
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
<u>H232407</u>				<u>C</u>		<u>1</u>																																			
<u>1 FL 21 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>2 FL 22 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>3 FL 23 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>4 FL 24 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>5 FL 25 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>6 FL 26 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>7 FL 27 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>8 FL 28 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>9 FL 29 @ 3</u>				<u>C</u>		<u>1</u>																																			
<u>10 FL 30 @ 3</u>				<u>C</u>		<u>1</u>																																			
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																									
Relinquished By: <u>[Signature]</u>				Date: <u>5-17</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																											
				Time: <u>1552</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																											
Relinquished By:				Date:		Received By:				REMARKS:																															
				Time:																																					
Delivered By: (Circle One) <u>1.8-X-O-V:</u>				Sample Condition				CHECKED BY:																																	
Sampler - UPS - Bus - Other: <u>1.2: #113</u>				Cool Intact				(Initials)																																	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				<u>[Signature]</u>																																	
				<input type="checkbox"/> No <input type="checkbox"/> No																																					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 31

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
Address: 2617 W Marland				Company: <u>Mewbourn</u>																	
City: Hobbs		State: NM		Zip: 88240		Attn: <u>Jeff Brooin</u>															
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Bos p Bld</u>		City: <u>Hobbs</u>															
Project #: <u>17737</u>		Project Owner: <u>Mewbourn</u>		State: <u>NM</u>		Zip: <u>88240</u>															
Project Name: <u>Fleet Wood Water Line</u>				Phone #:																	
Project Location: <u>Rural Eddy</u>				Fax #:																	
Sampler Name: <u>Daniel Casser</u>																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(G/RAB OR (COMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER		ACID/BASE:		DATE		TIME									
						WASTEWATER		ICE / COOL													
						SOIL		OTHER:													
						OIL															
						SLUDGE															
						OTHER:															
<u>H232407</u>																					
<u>DC 11</u>		<u>FL 31 @ 3</u>		<u>C 1</u>				<u>✓</u>		<u>5-12</u>		<u>✓</u>									
<u>12</u>		<u>FL 32 @ 3</u>		<u>C 1</u>																	
<u>13</u>		<u>FL 33 @ 3</u>		<u>C 1</u>																	
<u>14</u>		<u>FL 34 @ 3</u>		<u>C 1</u>																	
<u>15</u>		<u>FL 35 @ 3</u>		<u>C 1</u>																	
<u>16</u>		<u>FL 36 @ 3</u>		<u>C 1</u>																	
<u>17</u>		<u>FL 37 @ 3</u>		<u>C 1</u>																	
<u>18</u>		<u>FL 38 @ 3</u>		<u>C 1</u>																	
<u>19</u>		<u>FL 39 @ 3</u>		<u>C 1</u>																	
<u>20</u>		<u>FL 40 @ 3</u>		<u>C 1</u>																	
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Relinquished By: <u>[Signature]</u>				Date: <u>5-12</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:									
				Time: <u>1552</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:									
Relinquished By:				Date:		Received By:				REMARKS:											
				Time:																	
Delivered By: (Circle One) <u>1-8-UPS</u>				Sample Condition		CHECKED BY: <u>[Signature]</u>				Please email results and copy of CoC to pm@etechenv.com.											
Sampler - UPS - Bus - Other: <u>1-8-UPS</u>				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No																	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 31 of 31

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Lane Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8016M)</div> <div>BTEX (8021B)</div> </div>													
Address: 2617 W Marland				Company: Melbourn																	
City: Hobbs		State: NM		Zip: 88240		Attn: Jeff Broom															
Phone #: (575) 264-9884		Fax #:		Address: 4801 Bus p Blvd																	
Project #: 17737		Project Owner: Melbourn		City: Hobbs																	
Project Name: Fleet Wood Water line				State: NM																Zip: 88240	
Project Location: Rural Eddy				Phone #:																	
Sampler Name: Dominic Casarez				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER															
						WASTEWATER															
						SOIL															
						OIL															
						SLUDGE															
						OTHER:															
						ACID/BASE:															
						ICE / COOL															
						OTHER:															
										DATE		TIME									
H232407				C 1								5-12									
DL21 EW7				C 1																	
22 EW8				C 1																	
23 EW9				C 1																	
24 WW5				C 1																	
25 WW6				C 1																	
PC 26 WW7				C 1																	
26 WW8				C 1																	
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																					
Relinquished By:				Date: 5-12				Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Time: 1552												Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Relinquished By:				Date:				Received By:				Add'l Phone #:									
				Time:								Add'l Fax #:									
Delivered By: (Circle One) 1-8: x.o.u:				Sample Condition				CHECKED BY: (Initials)				Please email results and copy of CoC to pm@etechenv.com.									
Sampler - UPS - Bus - Other: 1-2: #113				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																	

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May 22, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/16/23 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 10 (H232432-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTX	<0.300	0.300	05/17/2023	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	352	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 68.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 11 (H232432-02)

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	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTEX	<0.300	0.300	05/17/2023	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	400	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 12 (H232432-03)

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	05/17/2023	ND	2.07	104	2.00	3.48		
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77		
Total BTEX	<0.300	0.300	05/17/2023	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	576	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 13 (H232432-04)

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	05/17/2023	ND	2.07	104	2.00	3.48		
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77		
Total BTEX	<0.300	0.300	05/17/2023	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	752	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 14 (H232432-05)

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	05/17/2023	ND	2.07	104	2.00	3.48		
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77		
Total BTEX	<0.300	0.300	05/17/2023	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	240	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 9 (H232432-06)

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	05/17/2023	ND	2.07	104	2.00	3.48		
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77		
Total BTEX	<0.300	0.300	05/17/2023	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	368	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 10 (H232432-07)

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	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTEX	<0.300	0.300	05/17/2023	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	384	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 11 (H232432-08)

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	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTEX	<0.300	0.300	05/17/2023	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	768	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 12 (H232432-09)

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	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTEX	<0.300	0.300	05/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 13 (H232432-10)

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	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTEX	<0.300	0.300	05/17/2023	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	480	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 51 @ 3 (H232432-11)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTX	<0.300	0.300	05/17/2023	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	704	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 52 @ 3 (H232432-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.07	104	2.00	3.48		
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77		
Total BTX	<0.300	0.300	05/17/2023	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	176	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 53 @ 3 (H232432-13)

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	05/17/2023	ND	2.07	104	2.00	3.48		
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77		
Total BTEX	<0.300	0.300	05/17/2023	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	192	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 54 @ 3 (H232432-14)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTX	<0.300	0.300	05/17/2023	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	320	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 55 @ 3 (H232432-15)

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	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTEX	<0.300	0.300	05/17/2023	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	32.0	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 56 @ 3 (H232432-16)

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	05/17/2023	ND	2.07	104	2.00	3.48	
Toluene*	<0.050	0.050	05/17/2023	ND	2.06	103	2.00	3.93	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.13	107	2.00	3.47	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.33	106	6.00	3.77	
Total BTEX	<0.300	0.300	05/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 57 @ 3 (H232432-17)

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	05/16/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/16/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/16/2023	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	32.0	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 7 (H232432-18)

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	05/16/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/16/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/16/2023	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	1360	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 4 (H232432-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/16/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.92	115	6.00	6.75	
Total BTX	<0.300	0.300	05/16/2023	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	400	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	193	96.5	200	0.383	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	190	95.1	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H232432-20)

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	05/16/2023	ND	2.20	110	2.00	4.77		
Toluene*	<0.050	0.050	05/16/2023	ND	2.23	111	2.00	5.43		
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.35	117	2.00	6.14		
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.92	115	6.00	6.75		
Total BTEx	<0.300	0.300	05/16/2023	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	48.0	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 41 @ 3 (H232432-21)

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	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	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	1560	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 42 @ 3 (H232432-22)

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	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	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	1680	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 43 @ 3 (H232432-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	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	544	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 44 @ 3 (H232432-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 45 @ 3 (H232432-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEx	<0.300	0.300	05/17/2023	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	688	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 46 @ 3 (H232432-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	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	928	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 47 @ 3 (H232432-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	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	384	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 48 @ 3 (H232432-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTX	<0.300	0.300	05/17/2023	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	416	16.0	05/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 49 @ 3 (H232432-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	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	240	16.0	05/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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: 05/16/2023
 Reported: 05/22/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 50 @ 3 (H232432-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTEX	<0.300	0.300	05/17/2023	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	224	16.0	05/17/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
Address: P.O. Box 301				Company: Mewbourn																	
City: Lovington		State: NM		Zip: 88260		Attn: Jeff Brown															
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address: 4801 Bus pblke																	
Project #: 17737		Project Owner: Mewbourn		City: Hobbs																	
Project Name: Fleetwood water line				State: NM Zip: 88240																	
Project Location: Rural eddy				Phone #:																	
Sampler Name: Dominic Casarez				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING									
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE ICE / COOL OTHER :		DATE		TIME							
H232432																					
DC 1		EW 10		C 1																	
2		EW 11		C 1																	
3		EW 12		C 1																	
4		EW 13		C 1																	
5		EW 14		C 1																	
6		WW 9		C 1																	
7		WW 10		C 1																	
8		WW 11		C 1																	
9		WW 12		C 1																	
10		WW 13		C 1																	
<small>PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																					
Relinquished By:				Date: 5-16-23		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:									
				Time: 0820						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:									
Relinquished By:				Date:		Received By:				REMARKS:											
				Time:																	
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY:											
Sampler - UPS - Bus - Other:				-14.0/-14.6		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				(Initials)											
						Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											

FORM-006
Revision 1.0

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Please email results to pm@etechenv.com.

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																	
Address: P.O. Box 301				Company: Mewbourn																					
City: Lovington State: NM Zip: 88260				Attn: Jeff Broom																					
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address: 4801 B.S. p Blvd																					
Project #: 17737 Project Owner: Mewbourn				City: Hobbs																					
Project Name: Fleet Wood water line				State: NM Zip: 88240																					
Project Location: Rural eddy				Phone #:																					
Sampler Name: Dominic Casarez				Fax #:																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME	
1032432				C 1						✓								✓		✓		✓			
11 FL51 @3				C 1																					
12 FL52 @3				C 1																					
13 FL53 @3				C 1																					
14 FL54 @3				C 1																					
15 FL55 @3				C 1																					
16 FL56 @3				C 1																					
17 FL57 @3				C 1																					
18 WW7				C 1																					
19 SW4				C 1																					
20 NW3				C 1																					
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																									
Relinquished By: [Signature]				Date: 5-16-23				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:									
Relinquished By:				Time: 0820								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:									
				Date:				Received By:				REMARKS:													
				Time:																					
Delivered By: (Circle One)				#113				Sample Condition				CHECKED BY:				Please email results to pm@etechenv.com.									
Sampler - UPS - Bus - Other: -14.0c / 14.6c								Cool Intact				(Initials)													
								<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													

FORM-006

Revision 1.0

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006
Revision 1.0

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

May 24, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: FLEETWOOD WATER LINE
Project Number: 17737
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
24-May-23 10:51

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL 26 @ 4	H232542-01	Soil	18-May-23 00:00	18-May-23 16:50
FL 37 @ 4	H232542-02	Soil	18-May-23 00:00	18-May-23 16:50
WW 8 B	H232542-03	Soil	18-May-23 00:00	18-May-23 16:50

05/24/23 - Client changed the project name, project number and the sample ID for -03 (see COC). This is the revised report and will replace the one sent earlier today, 05/24/23.

Cardinal Laboratories

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A handwritten signature in cursive script, reading "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
2617 W MARLAND
HOBBS NM, 88240

Project: FLEETWOOD WATER LINE
Project Number: 17737
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
24-May-23 10:51

FL 26 @ 4
H232542-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3051933	AC	19-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051923	JH/	21-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051923	JH/	21-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 3051923 JH/ 21-May-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	

Surrogate: 1-Chlorooctane 89.7 % 48.2-134 3051911 MS 19-May-23 8015B

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148 3051911 MS 19-May-23 8015B

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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
2617 W MARLAND
HOBBS NM, 88240

Project: FLEETWOOD WATER LINE
Project Number: 17737
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
24-May-23 10:51

FL 37 @ 4
H232542-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3051933	AC	19-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051923	JH/	21-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051923	JH/	21-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3051923	JH/	21-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.1 %	48.2-134		3051911	MS	19-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.4 %	49.1-148		3051911	MS	19-May-23	8015B	
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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
2617 W MARLAND
HOBBS NM, 88240

Project: FLEETWOOD WATER LINE
Project Number: 17737
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
24-May-23 10:51

WW 8 B
H232542-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1580		16.0	mg/kg	4	3051933	AC	19-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051923	JH/	21-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051923	JH/	21-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051923	JH/	21-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3051923	JH/	21-May-23	8021B	
--	--	--	-------	----------	--	---------	-----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051911	MS	19-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.4 %	48.2-134		3051911	MS	19-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.2 %	49.1-148		3051911	MS	19-May-23	8015B	
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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
2617 W MARLAND
HOBBS NM, 88240

Project: FLEETWOOD WATER LINE
Project Number: 17737
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
24-May-23 10:51

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3051933 - 1:4 DI Water									
Blank (3051933-BLK1)					Prepared & Analyzed: 19-May-23				
Chloride	ND	16.0	mg/kg						
LCS (3051933-BS1)					Prepared & Analyzed: 19-May-23				
Chloride	400	16.0	mg/kg	400		100	80-120		
LCS Dup (3051933-BSD1)					Prepared & Analyzed: 19-May-23				
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20

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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
2617 W MARLAND
HOBBS NM, 88240

Project: FLEETWOOD WATER LINE
Project Number: 17737
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
24-May-23 10:51

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3051923 - Volatiles**Blank (3051923-BLK1)**

Prepared: 19-May-23 Analyzed: 21-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			

LCS (3051923-BS1)

Prepared: 19-May-23 Analyzed: 21-May-23

Benzene	2.11	0.050	mg/kg	2.00		105	81.4-118			
Toluene	2.08	0.050	mg/kg	2.00		104	88.7-121			
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	86.1-120			
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	88.2-124			
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.9-118			
Total Xylenes	6.44	0.150	mg/kg	6.00		107	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.1	71.5-134			

LCS Dup (3051923-BS1)

Prepared: 19-May-23 Analyzed: 21-May-23

Benzene	2.10	0.050	mg/kg	2.00		105	81.4-118	0.243	15.8	
Toluene	2.13	0.050	mg/kg	2.00		106	88.7-121	2.32	15.9	
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	86.1-120	0.101	16	
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	88.2-124	0.478	16.2	
o-Xylene	2.11	0.050	mg/kg	2.00		105	84.9-118	1.38	16.7	
Total Xylenes	6.39	0.150	mg/kg	6.00		107	87.3-122	0.777	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0486		mg/kg	0.0500		97.2	71.5-134			

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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
2617 W MARLAND
HOBBS NM, 88240

Project: FLEETWOOD WATER LINE
Project Number: 17737
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
24-May-23 10:51

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3051911 - General Prep - Organics**Blank (3051911-BLK1)**

Prepared & Analyzed: 19-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	38.8		mg/kg	49.6		78.2	48.2-134			
Surrogate: 1-Chlorooctadecane	41.4		mg/kg	50.0		82.7	49.1-148			

LCS (3051911-BS1)

Prepared & Analyzed: 19-May-23

GRO C6-C10	182	10.0	mg/kg	200		91.1	78.5-124			
DRO >C10-C28	168	10.0	mg/kg	200		84.2	72.5-126			
Total TPH C6-C28	351	10.0	mg/kg	400		87.6	77.6-123			
Surrogate: 1-Chlorooctane	44.0		mg/kg	49.6		88.7	48.2-134			
Surrogate: 1-Chlorooctadecane	43.7		mg/kg	50.0		87.3	49.1-148			

LCS Dup (3051911-BSD1)

Prepared & Analyzed: 19-May-23

GRO C6-C10	177	10.0	mg/kg	200		88.3	78.5-124	3.21	17.7	
DRO >C10-C28	166	10.0	mg/kg	200		83.1	72.5-126	1.28	21	
Total TPH C6-C28	343	10.0	mg/kg	400		85.7	77.6-123	2.28	18.5	
Surrogate: 1-Chlorooctane	45.0		mg/kg	49.6		90.7	48.2-134			
Surrogate: 1-Chlorooctadecane	44.6		mg/kg	50.0		89.1	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006
Revision 1.0

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



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

May 25, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/22/2023
 Reported: 05/25/2023
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 05/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 42 @ 4 (H232588-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.16	108	2.00	4.28	
Toluene*	<0.050	0.050	05/23/2023	ND	2.11	106	2.00	2.15	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.57	110	6.00	4.80	
Total BTX	<0.300	0.300	05/23/2023	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	960	16.0	05/23/2023	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	05/23/2023	ND	173	86.4	200	3.54	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	80.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																	
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																	
Address: P.O. Box 301				Company: Mewbourn																																					
City: Lovington State: NM Zip: 88260				Attn: Jeff Broom																																					
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address: 4801 Bishop Ave																																					
Project #: 17737 Project Owner: Mewbourn				City: Hobbs																																					
Project Name: Fleetwood water line				State: NM Zip: 88290																																					
Project Location: Rural Eddy				Phone #:																																					
Sampler Name: Dominic Crenshaw				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													
H232588		42 *		C		1						✓								✓						5-22				✓✓✓											
DC1		FL 43 @ 4																																							
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																									
Relinquished By:				Date: 5-22				Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																									
Relinquished By:				Time: 7:00				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																									
Relinquished By:				Date:				Received By:				REMARKS: * Sample ID changed as per Lance. Ch 05/24/04																													
Relinquished By:				Time:				Received By:																																	
Delivered By: (Circle One) 5-30C-0.4				Sample Condition				CHECKED BY:				Please email results to pm@etechenv.com.																													
Sampler - UPS - Bus - Other: 47: #13				Cool Intact				(Initials)																																	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				88																																	

FORM-006
Revision 1.0

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

February 16, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/13/24 9:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL 27 @ 4' (H240665-01)

BTEx 8021B			mg/kg		Analyzed By: JH			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85		
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80		
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84		
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14		
Total BTEX	<0.300	0.300	02/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 158 % 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	1230	16.0	02/14/2024	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	02/13/2024	ND	209	104	200	3.73	
DRO >C10-C28*	10.0	10.0	02/13/2024	ND	194	96.8	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 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: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL 28 @ 4' (H240665-02)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85	
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14	
Total BTEX	<0.300	0.300	02/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 151 % 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	992	16.0	02/14/2024	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	02/14/2024	ND	209	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	02/14/2024	ND	194	96.8	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	02/14/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 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: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL 29 @ 4' (H240665-03)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85	
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14	
Total BTEX	<0.300	0.300	02/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 157 % 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	1040	16.0	02/14/2024	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	02/13/2024	ND	201	101	200	2.91	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	203	101	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 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: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL 30 @ 4' (H240665-04)

BTEx 8021B			mg/kg		Analyzed By: JH			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85		
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80		
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84		
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14		
Total BTEX	<0.300	0.300	02/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 148 % 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	752	16.0	02/14/2024	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	02/13/2024	ND	201	101	200	2.91	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	203	101	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL 32 @ 4' (H240665-05)

BTEx 8021B			mg/kg		Analyzed By: JH			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85		
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80		
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84		
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14		
Total BTEX	<0.300	0.300	02/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 145 % 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	752	16.0	02/14/2024	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	02/13/2024	ND	201	101	200	2.91	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	203	101	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 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: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL 41 @ 4' (H240665-06)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85	
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80	
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84	
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14	
Total BTEX	<0.300	0.300	02/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 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	768	16.0	02/14/2024	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	02/13/2024	ND	201	101	200	2.91	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	203	101	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 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: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: EW 8 B (H240665-07)

BTEx 8021B			mg/kg		Analyzed By: JH			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85		
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80		
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84		
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14		
Total BTEX	<0.300	0.300	02/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 156 % 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	912	16.0	02/14/2024	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	02/13/2024	ND	201	101	200	2.91	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	203	101	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WW 7 B (H240665-08)

BTEx 8021B			mg/kg		Analyzed By: JH			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85		
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80		
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84		
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14		
Total BTEX	<0.300	0.300	02/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 151 % 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	1170	16.0	02/14/2024	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	02/13/2024	ND	201	101	200	2.91	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	203	101	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 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: 02/13/2024
 Reported: 02/16/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WW 8 C (H240665-09)

BTEx 8021B			mg/kg		Analyzed By: JH			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2024	ND	2.11	105	2.00	2.85		
Toluene*	<0.050	0.050	02/13/2024	ND	2.25	112	2.00	2.80		
Ethylbenzene*	<0.050	0.050	02/13/2024	ND	2.57	128	2.00	3.84		
Total Xylenes*	<0.150	0.150	02/13/2024	ND	7.48	125	6.00	5.14		
Total BTEX	<0.300	0.300	02/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 150 % 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	1020	16.0	02/14/2024	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	02/13/2024	ND	201	101	200	2.91	
DRO >C10-C28*	<10.0	10.0	02/13/2024	ND	203	101	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	02/13/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Lane Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																							
Address: 2617 West Marland				Company: Newborn																											
City: Hobbs State: NM Zip: 88240				Attn: Jeff Broom																											
Phone #: (575) 264-9884 Fax #:				Address:																											
Project #: Project Owner: Newborn				City: Hobbs																											
Project Name: Fleet Wood Water Line				State: NM Zip: 88240																											
Project Location: Rural Loving, NM				Phone #:																											
Sampler Name: Dominic Chavez				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.				Sample I.D.																											



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

February 26, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/21/24 14:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 27 @ 5' (H240854-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2024	ND	1.93	96.3	2.00	8.30	
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47	
Total BTX	<0.300	0.300	02/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	688	16.0	02/23/2024	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	02/22/2024	ND	186	93.1	200	2.43	
DRO >C10-C28*	82.4	10.0	02/22/2024	ND	184	91.8	200	4.94	
EXT DRO >C28-C36	43.3	10.0	02/22/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 29 @ 5' (H240854-02)

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	02/24/2024	ND	1.93	96.3	2.00	8.30	
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47	
Total BTEX	<0.300	0.300	02/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	688	16.0	02/23/2024	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	02/22/2024	ND	186	93.1	200	2.43	
DRO >C10-C28*	91.4	10.0	02/22/2024	ND	184	91.8	200	4.94	
EXT DRO >C28-C36	44.5	10.0	02/22/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 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: 02/21/2024
 Reported: 02/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW7C (H240854-03)

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	02/24/2024	ND	1.93	96.3	2.00	8.30	
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61	
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04	
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47	
Total BTEX	<0.300	0.300	02/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	576	16.0	02/23/2024	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	02/22/2024	ND	186	93.1	200	2.43	
DRO >C10-C28*	<10.0	10.0	02/22/2024	ND	184	91.8	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	02/22/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.9 % 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: 02/21/2024
 Reported: 02/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW8D (H240854-04)

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	02/24/2024	ND	1.93	96.3	2.00	8.30		
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61		
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47		
Total BTEX	<0.300	0.300	02/24/2024	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	512	16.0	02/23/2024	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	02/22/2024	ND	186	93.1	200	2.43	
DRO >C10-C28*	<10.0	10.0	02/22/2024	ND	184	91.8	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	02/22/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager


CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

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 #: 17737 Project Owner: Mewbourne										City:																			
Project Name: Fleetwood Water Line										State: Zip:																			
Project Location: Rural Eddy County, NM										Phone #:																			
Sampler Name: Aaron Rios										Fax #:																			

FOR LAB USE ONLY	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE ICE / COOL OTHER :						
H240854 Lab I.D.	FL27 @ 5'	C	1	X		X	2/21/24		X	X	X
	FL29 @ 5'	C	1	X		X	2/21/24		X	X	X
	WW7C	C	1	X		X	2/21/24		X	X	X
	WW8D	C	1	X		X	2/21/24		X	X	X

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Relinquished By: 	Date: 2-21-24 Time: 1449	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: Add'l Fax #:
Relinquished By: Date: Time:			REMARKS: Please email results and copy of CoC to pm@etechenv.com.	
Delivered By: (Circle One) - 9.12 Sampler - UPS - Bus - Other:		Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) 	



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

March 11, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/06/24 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/06/2024
 Reported: 03/11/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 6' (H241127-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.09	104	2.00	0.994	
Toluene*	<0.050	0.050	03/08/2024	ND	2.22	111	2.00	6.60	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.30	115	2.00	8.69	QM-07
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.85	114	6.00	9.64	QM-07
Total BTX	<0.300	0.300	03/08/2024	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	480	16.0	03/08/2024	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	03/07/2024	ND	202	101	200	2.75	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.7	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 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: 03/06/2024
 Reported: 03/11/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 03/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 29 @ 6' (H241127-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/08/2024	ND	2.09	104	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.22	111	2.00	6.60		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.30	115	2.00	8.69		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.85	114	6.00	9.64		
Total BTX	<0.300	0.300	03/08/2024	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	432	16.0	03/08/2024	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	03/07/2024	ND	202	101	200	2.75	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.7	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 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

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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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 5 of 5

[illegible]



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

June 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/27/24 8:11.

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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/27/2024
 Reported: 06/28/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 1 @ 9' (H243845-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2024	ND	2.02	101	2.00	3.63	QR-03
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTX	<0.300	0.300	06/27/2024	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	06/27/2024	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	06/27/2024	ND	223	111	200	0.326	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	227	113	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 06/27/2024
 Reported: 06/28/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW 1 (H243845-02)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	06/27/2024	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	06/27/2024	ND	223	111	200	0.326	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	227	113	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 06/27/2024
 Reported: 06/28/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: EW 1 (H243845-03)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/27/2024	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	06/27/2024	ND	223	111	200	0.326	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	227	113	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 06/27/2024
 Reported: 06/28/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 1 (H243845-04)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	06/27/2024	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	06/27/2024	ND	223	111	200	0.326	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	227	113	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 06/27/2024
 Reported: 06/28/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 06/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 1 (H243845-05)

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	06/27/2024	ND	2.02	101	2.00	3.63	
Toluene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	3.03	
Ethylbenzene*	<0.050	0.050	06/27/2024	ND	2.17	108	2.00	2.96	
Total Xylenes*	<0.150	0.150	06/27/2024	ND	6.71	112	6.00	2.81	
Total BTEX	<0.300	0.300	06/27/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/27/2024	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	06/27/2024	ND	223	111	200	0.326	
DRO >C10-C28*	<10.0	10.0	06/27/2024	ND	227	113	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	06/27/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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.
- 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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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 05, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/28/24 14:39.

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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/28/2024
 Reported: 07/05/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 06/27/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: STOCKPILE 1 (H243904-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2024	ND	2.10	105	2.00	2.27	
Toluene*	<0.050	0.050	07/04/2024	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/04/2024	ND	2.23	111	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/04/2024	ND	6.86	114	6.00	1.88	
Total BTX	<0.300	0.300	07/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/05/2024	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	07/04/2024	ND	204	102	200	2.14	
DRO >C10-C28*	<10.0	10.0	07/04/2024	ND	210	105	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	07/04/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

[illegible]



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

September 19, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/18/24 8:22.

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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ SURF (H245662-01)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/18/2024	ND	416	104	400	8.00		

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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 61.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 1' (H245662-02)

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	09/18/2024	ND	2.14	107	2.00	6.33		
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	32.0	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 2' (H245662-03)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	160	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.5 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 3' (H245662-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	400	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 4' (H245662-05)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1040	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 5' (H245662-06)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	352	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 66.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 49.1-148

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 HOBBS NM, 88240
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Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 6' (H245662-07)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	352	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 62.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.9 % 49.1-148

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 HOBBS NM, 88240
 Fax To:

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 7' (H245662-08)

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	09/18/2024	ND	2.14	107	2.00	6.33		
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	528	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 8' (H245662-09)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	656	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
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 HOBBS NM, 88240
 Fax To:

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 9' (H245662-10)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	624	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 10' (H245662-11)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	624	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 65.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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 HOBBS NM, 88240
 Fax To:

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 11' (H245662-12)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	640	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 12' (H245662-13)

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	09/18/2024	ND	2.14	107	2.00	6.33		
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	560	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 13' (H245662-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	352	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 14' (H245662-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	304	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG A @ 15' (H245662-16)

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	09/18/2024	ND	2.14	107	2.00	6.33		
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	256	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ SURF (H245662-17)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	16.0	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 1' (H245662-18)

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	09/18/2024	ND	2.14	107	2.00	6.33		
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10		
Total BTEx	<0.300	0.300	09/18/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 2' (H245662-19)

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	09/18/2024	ND	2.14	107	2.00	6.33		
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 3' (H245662-20)

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	09/18/2024	ND	2.14	107	2.00	6.33	
Toluene*	<0.050	0.050	09/18/2024	ND	2.10	105	2.00	6.56	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.17	109	2.00	6.98	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.50	108	6.00	7.10	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	64.0	16.0	09/18/2024	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	09/18/2024	ND	205	102	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	199	99.7	200	0.301	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 4' (H245662-21)**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	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	144	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 5' (H245662-22)

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	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 6' (H245662-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	288	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 7' (H245662-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 8' (H245662-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 9' (H245662-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 10' (H245662-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 11' (H245662-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	336	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 12' (H245662-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 13' (H245662-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 14' (H245662-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG B @ 15' (H245662-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	304	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ SURF (H245662-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 1' (H245662-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 2' (H245662-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 104 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 3' (H245662-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	32.0	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 4' (H245662-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 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	16.0	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 5' (H245662-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 6' (H245662-39)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700		
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 7' (H245662-40)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.15	108	2.00	0.700	
Toluene*	<0.050	0.050	09/18/2024	ND	2.03	102	2.00	0.541	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.07	103	2.00	0.201	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.14	102	6.00	0.305	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	09/18/2024	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	09/18/2024	ND	206	103	200	0.0403	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 8' (H245662-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	QM-07
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	QM-07
Total BTEX	<0.300	0.300	09/18/2024	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	608	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 9' (H245662-42)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	624	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 10' (H245662-43)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 11' (H245662-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878		
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	880	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 12' (H245662-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878		
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63		
Total BTEX	<0.300	0.300	09/18/2024	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	928	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 13' (H245662-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/18/2024	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	1060	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 14' (H245662-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/18/2024	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	1760	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG C @ 15' (H245662-48)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	464	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ SURF (H245662-49)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/18/2024	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	16.0	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 1' (H245662-50)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/18/2024	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	32.0	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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 HOBBS NM, 88240
 Fax To:

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 2' (H245662-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.27	114	2.00	0.878		
Toluene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	3.15		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.45	122	2.00	4.08		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	7.51	125	6.00	6.63		
Total BTEX	<0.300	0.300	09/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	32.0	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 3' (H245662-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	32.0	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 4' (H245662-53)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/19/2024	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	384	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 5' (H245662-54)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 6' (H245662-55)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	704	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 7' (H245662-56)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/19/2024	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	768	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 8' (H245662-57)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878		
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63		
Total BTEX	<0.300	0.300	09/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 9' (H245662-58)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/19/2024	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	640	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 10' (H245662-59)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTEX	<0.300	0.300	09/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	688	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 11' (H245662-60)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.27	114	2.00	0.878	
Toluene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	3.15	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.45	122	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.51	125	6.00	6.63	
Total BTX	<0.300	0.300	09/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	688	16.0	09/18/2024	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	09/18/2024	ND	208	104	200	0.948	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	204	102	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 12' (H245662-61)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.21	111	2.00	4.98	
Toluene*	<0.050	0.050	09/18/2024	ND	2.29	115	2.00	4.18	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	2.80	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.97	116	6.00	2.34	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	576	16.0	09/18/2024	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	09/18/2024	ND	200	99.9	200	0.227	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	101	200	0.147	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 13' (H245662-62)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2024	ND	2.21	111	2.00	4.98	
Toluene*	<0.050	0.050	09/18/2024	ND	2.29	115	2.00	4.18	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	2.80	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.97	116	6.00	2.34	
Total BTEX	<0.300	0.300	09/18/2024	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	1100	16.0	09/18/2024	ND	416	104	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	200	99.9	200	0.227	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	101	200	0.147	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 14' (H245662-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.21	111	2.00	4.98		
Toluene*	<0.050	0.050	09/18/2024	ND	2.29	115	2.00	4.18		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	2.80		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.97	116	6.00	2.34		
Total BTEx	<0.300	0.300	09/18/2024	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	912	16.0	09/18/2024	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	09/18/2024	ND	200	99.9	200	0.227	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	101	200	0.147	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/18/2024
 Reported: 09/19/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/17/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BG D @ 15' (H245662-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2024	ND	2.21	111	2.00	4.98		
Toluene*	<0.050	0.050	09/18/2024	ND	2.29	115	2.00	4.18		
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.32	116	2.00	2.80		
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.97	116	6.00	2.34		
Total BTEX	<0.300	0.300	09/18/2024	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	928	16.0	09/18/2024	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	09/18/2024	ND	200	99.9	200	0.227	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	203	101	200	0.147	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 7

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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 #: 17737		Project Owner: Mewbourne		City:																		
Project Name: Fleetwood Water Line						State: Zip:																
Project Location: Rural Eddy County, NM						Phone #:																
Sampler Name: Dominic Casarez						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						
H24566a2																						
1 BG A @ Surf		G	1			X						X			9/17/24		X	X	X			
2 BG A @ 1'		G	1			X						X			9/17/24		X	X	X			
3 BG A @ 2'		G	1			X						X			9/17/24		X	X	X			
4 BG A @ 3'		G	1			X						X			9/17/24		X	X	X			
5 BG A @ 4'		G	1			X						X			9/17/24		X	X	X			
6 BG A @ 5'		G	1			X						X			9/17/24		X	X	X			
7 BG A @ 6'		G	1			X						X			9/17/24		X	X	X			
8 BG A @ 7'		G	1			X						X			9/17/24		X	X	X			
9 BG A @ 8'		G	1			X						X			9/17/24		X	X	X			
10 BG A @ 9'		G	1			X						X			9/17/24		X	X	X			

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Relinquished By: <i>[Signature]</i>		Date: 4-18-24 Time: 0832	Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date: Time:	Received By:		REMARKS: RUSH SAMPLES - 24 HOUR	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C = 5.0 Corrected Temp. °C = 5.6	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>[Signature]</i>	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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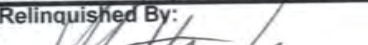


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 7

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Relinquished By: 		Date: 9-18-24	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: 0822		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		RUSH SAMPLES - 24 HOUR
Delivered By: (Circle One)	Observed Temp. °C = 5.0	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C = 5.6	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition
				Cool Intact Observed Temp. °C
				<input type="checkbox"/> Yes <input type="checkbox"/> Yes
				<input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
				Thermometer ID #140
				Correction Factor -0.6°C



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 7

Page 69 of 73

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>Chloride</div> <div>TPH (8015M)</div> <div>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:		City:																																							
Project #: 17737		Project Owner: Mewbourne		State:		Zip:																																							
Project Name: Fleetwood Water Line		Phone #:		Fax #:																																									
Project Location: Rural Eddy County, NM																																													
Sampler Name: Dominic Casarez																																													
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															
H245662																																													
21		BG B @ 4'				G 1				X						X						9/17/24																							
22		BG B @ 5'				G 1				X						X						9/17/24																							
23		BG B @ 6'				G 1				X						X						9/17/24																							
24		BG B @ 7'				G 1				X						X						9/17/24																							
25		BG B @ 8'				G 1				X						X						9/17/24																							
26		BG B @ 9'				G 1				X						X						9/17/24																							
27		BG B @ 10'				G 1				X						X						9/17/24																							
28		BG B @ 11'				G 1				X						X						9/17/24																							
29		BG B @ 12'				G 1				X						X						9/17/24																							
30		BG B @ 13'				G 1				X						X						9/17/24																							

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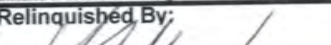

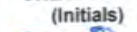
Relinquished By:		Date: 7-18-24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 0822						All Results are emailed. Please provide Email address:		pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:			
Time:						RUSH SAMPLES - 24 HOUR			
Delivered By: (Circle One)		Observed Temp. °C -5.0		Sample Condition Cool Intact <input checked="" type="checkbox"/>		CHECKED BY: (Initials) Y.O.		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -5.4		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Thermometer ID #140	
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Correction Factor -0.6°C	
								Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/>	
								<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
								Observed Temp. °C	
								Corrected Temp. °C	

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Page 4 of 7

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 #: 17737 Project Owner: Mewbourne				City:																
Project Name: Fleetwood Water Line				State: Zip:																
Project Location: Rural Eddy County, NM				Phone #:																
Sampler Name: Dominic Casarez				Fax #:																
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
H245662																				
31	BG B @ 14'	G	1			X				X			9/17/24		X	X	X			
32	BG B @ 15'	G	1			X				X			9/17/24		X	X	X			
33	BG C @ Surf	G	1			X				X			9/17/24		X	X	X			
34	BG C @ 1'	G	1			X				X			9/17/24		X	X	X			
35	BG C @ 2'	G	1			X				X			9/17/24		X	X	X			
36	BG C @ 3'	G	1			X				X			9/17/24		X	X	X			
37	BG C @ 4'	G	1			X				X			9/17/24		X	X	X			
38	BG C @ 5'	G	1			X				X			9/17/24		X	X	X			
39	BG C @ 6'	G	1			X				X			9/17/24		X	X	X			
40	BG C @ 7'	G	1			X				X			9/17/24		X	X	X			

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Relinquished By: 		Date: 9-18-24	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: 0822		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		RUSH SAMPLES - 24 HOUR
Delivered By: (Circle One)	Observed Temp. °C -5.0	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED By: (Initials) 	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C -5.6	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
				Thermometer ID #140 Correction Factor -0.6°C



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 7

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>Chloride</div> <div>TPH (8015M)</div> <div>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 #: 17737 Project Owner: Mewbourne				City:																									
Project Name: Fleetwood Water Line				State: Zip:																									
Project Location: Rural Eddy County, NM				Phone #:																									
Sampler Name: Dominic Casarez				Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME															
41	BG C @ 8'	G	1			X				X			9/17/24		X	X	X												
42	BG C @ 9'	G	1			X				X			9/17/24		X	X	X												
43	BG C @ 10'	G	1			X				X			9/17/24		X	X	X												
44	BG C @ 11'	G	1			X				X			9/17/24		X	X	X												
45	BG C @ 12'	G	1			X				X			9/17/24		X	X	X												
46	BG C @ 13'	G	1			X				X			9/17/24		X	X	X												
47	BG C @ 14'	G	1			X				X			9/17/24		X	X	X												
48	BG C @ 15'	G	1			X				X			9/17/24		X	X	X												
49	BG D @ Surf	G	1			X				X			9/17/24		X	X	X												
50	BG D @ 1'	G	1			X				X			9/17/24		X	X	X												

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Relinquished By:		Date: 9-18-24	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 0832		Time:		All Results are emailed. Please provide Email address: pm@etechenv.com		
Relinquished By:		Date:	Received By:		REMARKS:	
Time:		Time:		RUSH SAMPLES - 24 HOUR		
Delivered By: (Circle One)	Observed Temp. °C -5.0	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact	Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C -5.6	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140	<input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C
				Correction Factor -0.6°C	<input type="checkbox"/> Yes <input type="checkbox"/> No	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 7

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>Chloride</div> <div>TPH (8015M)</div> <div>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 #: 17737 Project Owner: Mewbourne				City:																																									
Project Name: Fleetwood Water Line				State: Zip:																																									
Project Location: Rural Eddy County, NM				Phone #:																																									
Sampler Name: Dominic Casarez				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															
H2451662																																													
51		BG D @ 2'				G 1																																							
52		BG D @ 3'				G 1																																							
53		BG D @ 4'				G 1																																							
54		BG D @ 5'				G 1																																							
55		BG D @ 6'				G 1																																							
56		BG D @ 7'				G 1																																							
57		BG D @ 8'				G 1																																							
58		BG D @ 9'				G 1																																							
59		BG D @ 10'				G 1																																							
60		BG D @ 11'				G 1																																							

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Relinquished By:		Date: 9-18-24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 0822		Time:		Time:		All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:		Time:		RUSH SAMPLES - 24 HOUR	
Delivered By: (Circle One)		Observed Temp. °C -5.0		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -5.6		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
						Thermometer ID #140 Correction Factor -0.6°C	
						Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	

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Page 7 of 7

[illegible]

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Relinquished By: 		Date: 9-18-24 Time: 0822		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechnv.com	
Relinquished By:		Date:		Received By:		REMARKS: RUSH SAMPLES - 24 HOUR	
		Time:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: -5.0 Corrected Temp. °C: -5.6		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) 	
						Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <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

September 25, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/24/24 14:50.

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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 1 @ 5' (H245799-01)

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	09/24/2024	ND	2.11	106	2.00	6.80	
Toluene*	<0.050	0.050	09/24/2024	ND	1.96	98.0	2.00	8.47	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	1.94	97.0	2.00	9.44	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	5.88	98.0	6.00	8.96	
Total BTEx	<0.300	0.300	09/24/2024	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	528	16.0	09/25/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 52.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 49.7 % 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: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 3 @ 5' (H245799-02)

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	09/24/2024	ND	2.11	106	2.00	6.80	
Toluene*	<0.050	0.050	09/24/2024	ND	1.96	98.0	2.00	8.47	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	1.94	97.0	2.00	9.44	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	5.88	98.0	6.00	8.96	
Total BTEX	<0.300	0.300	09/24/2024	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	160	16.0	09/25/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 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: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 9 @ 7' (H245799-03)

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	09/24/2024	ND	2.11	106	2.00	6.80	
Toluene*	<0.050	0.050	09/24/2024	ND	1.96	98.0	2.00	8.47	
Ethylbenzene*	<0.050	0.050	09/24/2024	ND	1.94	97.0	2.00	9.44	
Total Xylenes*	<0.150	0.150	09/24/2024	ND	5.88	98.0	6.00	8.96	
Total BTEX	<0.300	0.300	09/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	09/25/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 10 @ 6' (H245799-04)

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	09/25/2024	ND	2.11	106	2.00	6.80	
Toluene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	8.47	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.94	97.0	2.00	9.44	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	8.96	
Total BTEX	<0.300	0.300	09/25/2024	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	544	16.0	09/25/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW 2B (H245799-05)

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	09/25/2024	ND	2.11	106	2.00	6.80	
Toluene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	8.47	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.94	97.0	2.00	9.44	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	8.96	
Total BTEX	<0.300	0.300	09/25/2024	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	320	16.0	09/25/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: EW 1B (H245799-06)

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	09/25/2024	ND	2.11	106	2.00	6.80	
Toluene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	8.47	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.94	97.0	2.00	9.44	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	8.96	
Total BTEX	<0.300	0.300	09/25/2024	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	32.0	16.0	09/25/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 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: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 1B (H245799-07)

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	09/25/2024	ND	2.11	106	2.00	6.80	
Toluene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	8.47	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.94	97.0	2.00	9.44	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	8.96	
Total BTEX	<0.300	0.300	09/25/2024	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	32.0	16.0	09/25/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 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: 09/24/2024
 Reported: 09/25/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 3B (H245799-08)

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	09/25/2024	ND	2.11	106	2.00	6.80		
Toluene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	8.47		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.94	97.0	2.00	9.44		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	8.96		
Total BTEx	<0.300	0.300	09/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	09/25/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/24/2024	ND	218	109	200	1.19	
DRO >C10-C28*	<10.0	10.0	09/24/2024	ND	229	115	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	09/24/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

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

Page 1 of 1

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>Chloride</div> <div>TPH (8015M)</div> <div>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 #: 17737 Project Owner: Mewbourne		City:																							
Project Name: Fleetwood Water Line		State: Zip:																							
Project Location: Rural Eddy County, NM		Phone #:																							
Sampler Name: Dominic Casarez		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											
H205799																									
	FL 1 @ 5'	C	1		X					X			9/24/24		X	X	X								
	FL 3 @ 5'	C	1		X					X			9/24/24		X	X	X								
	FL 9 @ 7'	C	1		X					X			9/24/24		X	X	X								
	FL 10 @ 6'	C	1		X					X			9/24/24		X	X	X								
	NW 2B	C	1		X					X			9/24/24		X	X	X								
	EW 1B	C	1		X					X			9/24/24		X	X	X								
	SW 1B	C	1		X					X			9/24/24		X	X	X								
	SW 3B	C	1		X					X			9/24/24		X	X	X								

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Relinquished By:	Date: 9/24/24	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 1450			All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	Date:	Received By:	REMARKS:
Time:			RUSH SAMPLES - 24 HOUR
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: -2.3	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
Corrected Temp. °C: -2.9	CHECKED BY: (Initials)	Thermometer ID #140 Correction Factor -0.6°C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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



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

September 26, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FLEETWOOD WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 09/25/24 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 12 @ 5' (H245826-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 13 @ 4' (H245826-02)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	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	32.0	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 14 @ 6' (H245826-03)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	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	48.0	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 16 @ 5' (H245826-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 20 @ 5' (H245826-05)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 28 @ 5' (H245826-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 30 @ 6' (H245826-07)

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	09/25/2024	ND	1.83	91.7	2.00	1.87		
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62		
Total BTEX	<0.300	0.300	09/25/2024	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	560	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 32 @ 5' (H245826-08)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 33 @ 4' (H245826-09)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	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	448	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 34 @ 4' (H245826-10)

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	09/25/2024	ND	1.83	91.7	2.00	1.87		
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62		
Total BTEx	<0.300	0.300	09/25/2024	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	160	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 35 @ 4' (H245826-11)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	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	160	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 41 @ 5' (H245826-12)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 51.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 49.2 % 49.1-148

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Analytical Results For:

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

Received: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 42 @ 5' (H245826-13)

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	09/25/2024	ND	1.83	91.7	2.00	1.87		
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62		
Total BTEX	<0.300	0.300	09/25/2024	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	320	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 45 @ 4' (H245826-14)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	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	96.0	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 46 @ 4' (H245826-15)

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	09/25/2024	ND	1.83	91.7	2.00	1.87	
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62	
Total BTEX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 68.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.1 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 51 @ 4' (H245826-16)

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	09/25/2024	ND	1.83	91.7	2.00	1.87		
Toluene*	<0.050	0.050	09/25/2024	ND	1.92	96.0	2.00	2.42		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	1.96	98.0	2.00	2.55		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	5.88	98.0	6.00	2.62		
Total BTEx	<0.300	0.300	09/25/2024	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	288	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW 1B (H245826-17)

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	09/25/2024	ND	2.02	101	2.00	2.00		
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76		
Total BTEX	<0.300	0.300	09/25/2024	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	48.0	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: EW 7B (H245826-18)

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	09/25/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76	
Total BTEX	<0.300	0.300	09/25/2024	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	352	16.0	09/26/2024	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	09/25/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: EW 8C (H245826-19)

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	09/25/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76	
Total BTEX	<0.300	0.300	09/25/2024	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	336	16.0	09/26/2024	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	09/26/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
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Received: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: EW 9B (H245826-20)

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	09/25/2024	ND	2.02	101	2.00	2.00		
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76		
Total BTEx	<0.300	0.300	09/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/26/2024	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	09/26/2024	ND	232	116	200	0.289	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	234	117	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: EW 13B (H245826-21)

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	09/25/2024	ND	2.02	101	2.00	2.00		
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76		
Total BTEX	<0.300	0.300	09/25/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	09/26/2024	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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 1B (H245826-22)

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	09/25/2024	ND	2.02	101	2.00	2.00		
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823		
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30		
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76		
Total BTEX	<0.300	0.300	09/25/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/26/2024	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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.9 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 5B (H245826-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76	
Total BTEX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/26/2024	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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 11B (H245826-24)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76	
Total BTX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/26/2024	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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 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: 09/25/2024
 Reported: 09/26/2024
 Project Name: FLEETWOOD WATER LINE
 Project Number: 17737
 Project Location: MEWBOURNE - RURAL EDDY CO, NM

Sampling Date: 09/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 12B (H245826-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/25/2024	ND	2.06	103	2.00	0.823	
Ethylbenzene*	<0.050	0.050	09/25/2024	ND	2.17	108	2.00	3.30	
Total Xylenes*	<0.150	0.150	09/25/2024	ND	6.59	110	6.00	3.76	
Total BTEX	<0.300	0.300	09/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/26/2024	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	09/26/2024	ND	199	99.4	200	1.07	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	195	97.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

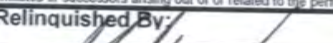
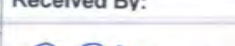

Celey D. Keene, Lab Director/Quality Manager

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

Page 1 of 3

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 #: 17737 Project Owner: Mewbourne						City:																						
Project Name: Fleetwood Water Line						State: Zip:																						
Project Location: Rural Eddy County, NM						Phone #:																						
Sampler Name: Dominic Casarez						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													
1245826						C	1		X				X	9/25/24		X	X	X										
2						C	1		X				X	9/25/24		X	X	X										
3						C	1		X				X	9/25/24		X	X	X										
4						C	1		X				X	9/25/24		X	X	X										
5						C	1		X				X	9/25/24		X	X	X										
6						C	1		X				X	9/25/24		X	X	X										
7						C	1		X				X	9/25/24		X	X	X										
8						C	1		X				X	9/25/24		X	X	X										
9						C	1		X				X	9/25/24		X	X	X										
10						C	1		X				X	9/25/24		X	X	X										
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Relinquished By: 		Date: 6/25/24	Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1448					All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:		REMARKS:	
					RUSH SAMPLES - 24 HOUR	
Delivered By: (Circle One)		Observed Temp. °C -11.0°C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard <input type="checkbox"/> Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:		Corrected Temp. °C -11.0°C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Rush <input checked="" type="checkbox"/>	Cool Intact Observed Temp. °C
			<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor -0.6°C	<input type="checkbox"/> Yes <input type="checkbox"/> No

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Page 2 of 3

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 3 of 3

Page 30 of 30

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST																														
Project Manager: Lance Crenshaw		P.O. #:		<div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div>																														
Address: 2617 West Marland		Company: Mewbourne																																
City: Hobbs State: NM Zip: 88240		Attn: Connor Walker																																
Phone #: (575) 264-9884 Fax #:		Address:																																
Project #: 17737 Project Owner: Mewbourne		City:																																
Project Name: Fleetwood Water Line		State: Zip:																																
Project Location: Rural Eddy County, NM		Phone #:																																
Sampler Name: Dominic Casarez		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										
1245826																																		
21	EW 13B	C	1		X					X			9/25/24		X	X	X																	
22	WW 1B	C	1		X					X			9/25/24		X	X	X																	
23	WW 5B	C	1		X					X			9/25/24		X	X	X																	
24	WW 11B	C	1		X					X			9/25/24		X	X	X																	
25	WW 12B	C	1		X					X			9/25/24		X	X	X																	

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Relinquished By:	Date: 9/25/24	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1448	Received By:	All Results are emailed. Please provide Email address: pm@etechenv.com
Delivered By: (Circle One)	Observed Temp. °C -11.0°C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS: RUSH SAMPLES - 24 HOUR
Sampler - UPS - Bus - Other:	Corrected Temp. °C -11.0°C	CHECKED BY: (Initials)	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
			Thermometer ID #140 Correction Factor -0.6°C
			Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No

FORM-006 R 3.5 08/05/24

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

Appendix E

Regulatory Correspondence

From: [Lance Crenshaw](#)
To: [Ben Arguijo](#); [Joel Lowry](#)
Subject: FW: [EXT] RE: [EXTERNAL] nAPP2308026482 - CWMS Fleetwood Riser - Background Tests
Date: Friday, April 28, 2023 2:49:06 PM
Attachments: [image004.png](#)
[image005.png](#)

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, April 28, 2023 1:47 PM
To: Connor Walker <cwalker@mewbourne.com>
Cc: Jeff Broom <jbroom@mewbourne.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Lance Crenshaw <lance@etechenv.com>
Subject: RE: [EXT] RE: [EXTERNAL] nAPP2308026482 - CWMS Fleetwood Riser - Background Tests

Connor,

You are correct that a grab sample should be taken at every 1 foot increment. We have a lot of environmental consultants take 4-5 background samples and then select the sample with the highest chloride concentration. This is unacceptable and skews the background results upward and is not a good representation of the site and the surrounding area. Averaging the grab samples gives us a better representation of the chloride numbers at the release location.

Please let me know if you have any further questions.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Connor Walker <cwalker@mewbourne.com>
Sent: Friday, April 28, 2023 11:44 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Jeff Broom <jbroom@mewbourne.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Lance Crenshaw <lance@etechenv.com>
Subject: RE: [EXT] RE: [EXTERNAL] nAPP2308026482 - CWMS Fleetwood Riser - Background Tests

Robert,

According to guidance set out by NMOCD, a grab sample should be used for background data, not a composite. By averaging these numbers, this is the equivalent of obtaining composite samples for the affected area. Levels of chloride were found in each background sample, and in most cases much higher than the standard 600 mg/kg closure criteria for the top four feet. Our highest background sample observed was 2600 mg/kg, which is higher than any lab sample we received from within the spill area.

XII. OBTAINING BACKGROUND DATA:

The rule speaks of "background" chloride concentrations in three places: 19.15.29.11(A)(5)(c) NMAC regarding unknown or large volume releases, as a footnote to Table I, and in 19.15.29.13(D)(1) NMAC regarding reclamation. How would a responsible party obtain information to determine background? A grab, not composite, sample(s) should be gathered in areas undisturbed by oil and gas activities, nominally uphill from the release area, and no closer than 50 feet but no farther than 100 feet from the lateral and horizontal extents of a release's impact. The background sampling should be representative of the entire horizontal and vertical extent of the release. Other means may be acceptable to OCD, but only after review and a written determination.

Attached is additional ground water quality from USGS showing that the aquifer here is known to be over 10,000 mg/kg in chloride. With the background data we have gathered, as well as the data regarding the brine aquifer, we have shown that digging to a 2500 ppm chloride level or a 2 ft dig across the spill area, whichever is deeper, and backfilling with clean topsoil would bring this area to a state better than it prior to the release, posing no risk of increasing chloride levels of any groundwater that could be impacted in the future.

Our contractor had begun excavation of the top 2 ft of the release area removing the highest concentrated contaminated soil from the release area. Once this is complete, we will await further instructions on how to proceed.

I am available anytime for a quick phone call to discuss any questions.

Thank you,

Connor Walker | Sr. Engineer
Mewbourne Oil Company
Cell: (806) 202-5281
Email: cwalker@mewbourne.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, April 21, 2023 8:17 AM
To: Connor Walker <cwalker@mewbourne.com>
Cc: Jeff Broom <jbroom@mewbourne.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXT] RE: [EXTERNAL] nAPP2308026482 - CWMS Fleetwood Riser - Background Tests

Connor,

All background samples should be collected in 1-foot increments down to the prospective excavation depth of the release area. The four background numbers at a depth of 1 foot should be averaged. The four background numbers at a depth of 2 feet should be averaged and so on. The composite numbers will be used for the final background numbers.

Please let me know if you have any further questions.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Connor Walker <cwalker@mewbourne.com>
Sent: Thursday, April 20, 2023 3:34 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Jeff Broom <jbroom@mewbourne.com>
Subject: RE: [EXT] RE: [EXTERNAL] nAPP2308026482 - CWMS Fleetwood Riser - Background Tests

Mike and Robert,

Please see attached Updated Chem Table and Aerial Map for our new background samples at the CWMS Fleetwood release. We went about 50 yards east and west of our last backgrounds and sent samples at 1'-4' to the lab and got our results back. One sample point BG6 showed dirty starting at 2' at 1720 mg/kg chlorides, and another, BG7 shows dirty at 3' at 992 mg/kg.

The highest sample shows 2600 mg/kg chlorides (BG6 @ 3'). There was ample vegetation around where we took these samples even with the elevated chloride levels. I would like to propose that we

excavate the area to 1500 mg/kg chloride and 100 kg/mg TPH or a 2' depth, whichever we reach first. The background being somewhat variable does make it hard to distinguish what background is exactly, but we have samples ranging from 2600 to 1500 and down to below 100ppm, and from 2' down to 20'. The impact from the spill and the natural chlorides are hard to separate.

Knowing that the aquifer is briny in this area and vegetation is growing in and around the area of elevated natural chlorides, I believe using 1500 mg/kg chloride and 100 kg/mg TPH or a 2' depth and backfilling with clean dirt will return the area to a state better than the surrounding area.

Please let me know if there is anything else I can provide or any other questions. If you guys would like to set up a meeting or phone call to go over this, I am available anytime.

Thank you,

Connor Walker | Sr. Engineer
Mewbourne Oil Company
Cell: (806) 202-5281
Email: cwalker@mewbourne.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Thursday, April 13, 2023 2:34 PM
To: Connor Walker <cwalker@mewbourne.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXT] RE: [EXTERNAL] nAPP2308026482 - CWMS Fleetwood Riser - Background Tests

You don't often get email from robert.hamlet@emnrd.nm.gov. [Learn why this is important](#)

Connor,

Mike and I had a short discussion about the variance request. All 4 of the background locations need to be moved away from areas of disturbance/activity. BG1 and BG3 need to be moved about 50 yards further west of the pipeline ROW. BG2 and BG4 need to be moved about 50 yards east of the two-track road. Also, samples need to be taken in 1 foot increments to the depth you believe your excavation will be dug. If you think your excavation will be 4 feet, then you should take samples at 1, 2, 3, 4 feet. Please let us know if you have any questions.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Connor Walker <cwalker@mewbourne.com>
Sent: Thursday, April 13, 2023 1:25 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: [EXTERNAL] nAPP2308026482 - CWMS Fleetwood Riser - Background Tests

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mike,

We had a few spills in the Malaga Bend area and while delineating we found that we were showing dirty soil much deeper than we anticipated. We have gathered some background data around the above mentioned release, nAPP2308026482 - CWMS Fleetwood Riser, and we are waiting on our labs to come back on another, nAPP2305942242 - Malaga 30 MP Fed Com #1H Battery.

I have attached a soil chemistry table and aerial map for the CWMS Fleetwood Riser release. V1 was our deepest delineation and looking at it and BG4 side by side, the results are very similar. We took samples at BG1 at 1', 2', 3', and 4' to show that background soil starts to show chlorides at 3'.

I also have found evidence that the aquifer, or this portion of it, has had high chlorides for some time, dating back to the 1940's and earlier, which is also attached above.

I would like to request a variance for this release to dig to background levels and have the spill closed out at that level. Our highest Background sample shows 1520 mg/kg chlorides so I would propose we use 1500 mg/kg as the closure criteria.

We plan on putting in a work plan with the variance request, but I wanted to run it by you first so that we can go ahead and start excavating. I have instructed my contractor to start by removing the top 2' so that we can get the contaminated soil with the highest concentration of chloride out of the area, while we can get a potential variance worked out.

Would you have time for a quick phone call this afternoon or tomorrow morning?

Thank you,

Connor Walker | Sr. Engineer
Mewbourne Oil Company
Cell: (806) 202-5281
Email: cwalker@mewbourne.com



From: [Hamlet, Robert, EMNRD](#)
To: [Lance Crenshaw](#)
Cc: [Connor Walker](#); [Ben Arguijo](#); [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: (Extension Approval) NAPP2308026482 CWMS FLEETWOOD RISER
Date: Wednesday, May 31, 2023 2:27:30 PM

Lance,

Sorry, did not see the CWMS Fleetwood Riser (nAPP2308026482) incident. Your request for an extension to **July 31st, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Lance Crenshaw <lance@etechnv.com>
Sent: Wednesday, May 31, 2023 1:05 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Connor Walker <cwalker@mewbourne.com>; Ben Arguijo <bena@etechnv.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: [EXTERNAL] RE: (Extension Approval) NAPP2305942242 MALAGA 30 MP FED COM #1H BATTERY

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Robert,

Just wanted to double check the same extension applies to the Fleetwood as well correct?

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, May 31, 2023 7:13 AM
To: Lance Crenshaw <lance@etechnv.com>
Cc: Connor Walker <cwalker@mewbourne.com>; Ben Arguijo <bena@etechnv.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: (Extension Approval) NAPP2305942242 MALAGA 30 MP FED COM #1H BATTERY

RE: Incident #NAPP2305942242 MALAGA 30 MP FED COM #1H BATTERY

Lance,

Your request for an extension to **July 31st, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Lance Crenshaw <lance@etechenv.com>
Sent: Tuesday, May 30, 2023 1:52 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Connor Walker <cwalker@mewbourne.com>; Ben Arguijo <ben@etechenv.com>
Subject: [EXTERNAL] Extension request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Malaga 30 MP Battery Fire (NMOCD Incident #nAPP2305942242) and the CWMS Fleetwood Riser (nAPP2308026482). Both are located in Eddy County and are within a half-mile of each other. Pursuant to NMOCD regulations, a work plan or closure report is due for the Malaga release on **June 13, 2023 and on the Fleetwood release on June 3, 2023**. The release/impacted area has been excavated to 2' and 4', respectively, at both locations, but we have been severely delayed with pipeline companies having to be on site for excavation or backfill over their lines.

In consideration of this, Etech, on behalf of Mewbourne, requests a **60 day extension** until **Monday, July 31, 2023**, to allow us to fully excavate the site, gather excavation confirmation samples, backfill the site and prepare a site closure request.

If you have any questions or need any additional information, please do not hesitate to contact me

by phone or email.

Thank you for your time and consideration.

Lance Crenshaw
Etech Environmental & Safety Solutions
575-631-2532

From: [Connor Walker](#)
To: [Lance Crenshaw](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 246316
Date: Thursday, January 11, 2024 11:26:52 AM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, January 10, 2024 10:07 AM
To: Connor Walker <cwalker@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 246316

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2308026482, for the following reasons:

- **Closure denied. Per the conversations with Rob Hamlet, BG5 through BG8 background chloride concentrations were to be averaged at each one foot increment and those are the background chloride concentrations Mewbourne should remediate to. Resubmit closure report by 3/10/2024.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 246316.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: [Connor Walker](#)
To: [Lance Crenshaw](#); [Ben Arguijo](#)
Cc: [Jeff Broom](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 309237
Date: Monday, January 29, 2024 5:11:36 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, January 29, 2024 4:11 PM
To: Connor Walker <cwalker@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 309237

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2308026482.

The sampling event is expected to take place:

When: 02/06/2024 @ 08:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Sample Tech: Dominic Casarez

Phone: 432-813-1036, dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 721 and US-285 (GPS: 32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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: [Connor Walker](#)
To: [Lance Crenshaw](#); [Ben Arguijo](#)
Subject: FW: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 315289
Date: Friday, February 16, 2024 4:45:36 PM

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, February 16, 2024 3:45 PM
To: Connor Walker <cwalker@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 315289

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2308026482.

The sampling event is expected to take place:

When: 02/21/2024 @ 08:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Sample Tech: Dominic Casarez

Phone: 432-813-1036, dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 721 and US-285 (GPS: 32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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: [Connor Walker](#)
To: [Ben Arguijo](#); [Lance Crenshaw](#)
Subject: FW: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696 NAPP2308026482
Date: Wednesday, August 28, 2024 10:04:49 AM
Attachments: [image001.png](#)
[image002.png](#)

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, August 2, 2024 11:08 AM
To: Connor Walker <cwalker@mewbourne.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696 NAPP2308026482

Hi Connor,

You are welcome for the meeting. The extension request for NAPP2308026482 CWMS FLEETWOOD RISER is approved. This will be the FINAL extension granted for this release. The new due date to submit your remediation closure report to the OCD is October 7, 2024 (Permitting does not allow me to choose a due date on the weekend). Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Connor Walker <cwalker@mewbourne.com>
Sent: Friday, August 2, 2024 10:56 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696 NAPP2308026482

Shelly,

I wanted to thank you guys for making the time to meet with us yesterday. I know this release has been an interesting one and has drawn out far too long.

We plan to go collect deeper backgrounds to our estimated 15' and then remediate to the averages of those. If we need to go deeper than 15', we will.

That being said, I know we have another report due on 8/6/2024. We would like to request a 60-day extension on this deadline, until 10/5/2024, in order to complete this work. I think 60 days would be more than enough time for us to find the backgrounds at each depth, then complete our remediation based on those samples, and rewrite our closure report and get it submitted through the portal.

Please let me know if this will work.

Thank you,

Connor Walker

Sr. Engineer

Phone: 806-202-5281

Email:

cwalker@mewbourne.com



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Monday, July 29, 2024 1:49 PM

To: Connor Walker <cwalker@mewbourne.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696 NAPP2308026482

Hi Connor,

Sounds good. Will do!

Shelly

From: Connor Walker <cwalker@mewbourne.com>

Sent: Monday, July 29, 2024 1:48 PM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696 NAPP2308026482

Shelly,

Thursday will work great. Please send a Teams invite whenever you get a chance.

Thank you,

Connor Walker

Sr. Engineer

Phone: 806-202-5281

Email:

cwalker@mewbourne.com



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Monday, July 29, 2024 10:57 AM

To: Connor Walker <cwalker@mewbourne.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696 NAPP2308026482

Good morning Connor,

Mike Bratcher and I are available to meet with you this week, on Thursday, August 1, 2024 at 1:30pm MDT. Will this work for you? If not, other times/dates may be available this week or next.

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520|Shelly.Wells@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>

From: Connor Walker <cwalker@mewbourne.com>

Sent: Tuesday, July 23, 2024 8:46 AM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

Good Morning Shelly,

Would a meeting this week or next work?

I have attached USGS data from the closest wells with groundwater quality data, as well as a map showing the location of all the sites. There is a lot of evidence that the aquifer here is brine and has been for some time. There is a link to the list of USGS sites with separate links to all the sites as well.

When talking about V1 and V2 below, I was more mentioning the TPH issue which needed to be addressed as there is no background for TPH.

I think it would be easier and much clearer if we can get a meeting so we can all get on the same page with what needs to be done to close this release out.

Thank you,

Connor Walker

Sr. Engineer

Phone: 806-202-5281

Email:

cwalker@mewbourne.com



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, July 18, 2024 8:45 AM

To: Connor Walker <cwalker@mewbourne.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

Good morning Connor,

We will not be able to meet with you to discuss this this week. In the email exchange between Rob Hamlet and yourself over a year ago regarding this release (which is found in the rejected remediation closure report from 5/8/24), it was established that averages were to be taken as there is so much variability at one location as seen in the data you already collected. As stated in my email response to you on 6/13/24, "V1 and V2 are within the release footprint and as such need to be remediated to Table I <50 feet to groundwater standards. Because we agreed to BG5-BG8 to be used as background samples, you can collect more background samples at these locations at the depths you are requesting to use background samples as closure criteria (meaning if you have to excavate to 15' at V1, collect 4 background samples at the approved locations at 15' depth and average their results to obtain an acceptable background remediation standard)." If you believe the groundwater is brackish you can collect a water

sample, notifying OCD when you get the results. Just a reminder that a remediation closure report is due by 8/6/2024 or Mewbourne will be out of compliance.

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Connor Walker <cwalker@mewbourne.com>
Sent: Wednesday, July 17, 2024 7:55 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

Shelly,

I have several questions on the backgrounds and how we were told to attain them. I am looking for more of a general discussion, but I have several points or questions I would like to talk about:

1. Why do we need to average the backgrounds?
 - a. I know the rule itself is very vague on the background samples, and the guidance document later published doesn't provide much clearer instructions, but does mention specifically to take a grab, not a composite sample.
2. We have good evidence that the aquifer sitting below the spill is a brine aquifer and is also deeper than 50', which to me should shift our remediation focus to ensuring vegetation will be able to grow. The main thing keeping us to a stricter standard is the karst designation, however being over a brine aquifer further makes the karst a moot point.

I am sure our conversation will bring other points up as well, but these are a good place to start.

Let me know a good time for you guys to have a meeting, I should be available all week.

Thank you,

Connor Walker

Sr. Engineer

Phone: 806-202-5281

Email:

cwalker@mewbourne.com



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Tuesday, July 16, 2024 10:42 AM

To: Connor Walker <cwalker@mewbourne.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

Good morning Connor,

Before we set up a time to discuss please send me any questions you have regarding using background samples for this site. I will do my best to provide clear answers.

Kind regards,

Shelly

From: Connor Walker <cwalker@mewbourne.com>

Sent: Monday, July 15, 2024 1:22 PM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

Shelly,

Thanks for the call earlier, I look forward to our meeting tomorrow. Like I mentioned on the phone, I would like to get a meeting set up for this release as well, nAPP2308026482 CWMS Fleetwood Riser. We have begun to remediate the TPH issue at 5' in the V1 area, but we want to get on the same page on the background samples.

Please let me know when a good time for you guys would be to have a Teams meeting.

Thank you,

Connor Walker

Sr. Engineer

Phone: 806-202-5281

Email:
cwalker@mewbourne.com



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, June 13, 2024 11:02 AM
To: Connor Walker <cwalker@mewbourne.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

Good morning Connor,

V1 and V2 are within the release footprint and as such need to be remediated to Table I <50 feet to groundwater standards. Because we agreed to BG5-BG8 to be used as background samples, you can collect more background samples at these locations at the depths you are requesting to use background samples as closure criteria (meaning if you have to excavate to 15' at V1, collect 4 background samples at the approved locations at 15' depth and average their results to obtain an acceptable background remediation standard). The TPH contamination still needs remediated at 5' at V1 as you already agreed to in the email below.

Kind regards,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Connor Walker <cwalker@mewbourne.com>
Sent: Thursday, May 30, 2024 9:56 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application,

Application ID: 338696

Shelly,

I believe this is using circular reasoning, using naturally occurring background chlorides, averaging those numbers, and then applying that average to the backgrounds used to find that average to then say they are contaminated. The chlorides were present prior to the release and therefore are not contaminated, but naturally occurring. This area is well documented for having widespread chlorides.

We are currently making plans to excavate the area around V1, as it is within the spill boundaries, and I understand that we need to remove the contamination. However, if we go chasing backgrounds that are over our average, this will destroy a lot of natural surface environment and vegetation to remove these background chlorides that were already present, and that vegetation is growing with already.

Please let me know what you think, and if we need to set up a meeting to talk about this, I am available anytime.

Thank you,

Connor Walker

Sr. Engineer

Phone: 806-202-5281

Email:

cwalker@mewbourne.com



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, May 16, 2024 11:20 AM

To: Connor Walker <cwalker@mewbourne.com>

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

Connor,

Your averages were off and more remediation needs to take place. I have the averages of the BG5-BG8 based on the numbers you provided for BG5-BG8 and contamination still remains in all the areas I mention.

	BG5	BG6	BG7	BG8	Average
0 ft	48	16	176	32	68
1 ft	32	160	32	16	60
2 ft	16	1720	208	32	494
3 ft	16	2600	992	16	906
4 ft	288	2520	1020	32	965
	Exceeds accepted background closure				

This needs to be remediated. If you choose to look for background chloride numbers and uncover more contamination it needs remediated. As far as V1 goes, contamination was discovered during delineation at 5' and that must still be remediated. Everything that is written out below can be included with your resubmittal to OCD Permitting.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520|Shelly.Wells@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>

From: Connor Walker <cwalker@mewbourne.com>

Sent: Thursday, May 16, 2024 10:48 AM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Subject: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Shelly,

I had a lengthy discussion with Etech on this release and I think I found several issues that are causing some confusion here. I will go through them below as best as I can, and if needed, I am available for a call or meeting anytime to discuss it further. My responses are in blue.

- **This application has been rejected because the C-141 is incomplete. The submitted application indicates a conflict between the questions answered and the attachments that**

have been submitted. For example the answer “No” was selected when requesting a remediation closure approval; however, your attachments indicate that the intent is to request a remediation closure report approval. Please review the Dec 1, 2023, Public Notice titled Implementation of Digital C-141 and New Incident Statuses found on the OCD website. Review your C-141 submission and submit a new C-141 answering the appropriate questions for your circumstance.

- I believe this is my mistake and growing pains with the new system. On the resubmission I will make sure all the answers are in the proper places and agree with the closure report.
- **In rejection on 1/10/24, was told to average BG5-BG8 at each 1’ increment. Averages in report are incorrect.**
 - I think the error here was that our average included the former BG2. This will be changed in the resubmission, but I believe all of our samples would still fall below this threshold.
- **Mewbourne was told in email correspondence with OCD (included at back of report) that B1-B4 were too close to release area and needed to be moved at least 50 yards west and east of release area, so that data is thrown out. Laboratory data for BG5-BG8 was not included in this report. Include in resubmittal.**
 - This one took a minute to figure out. Our first round of 4 background samples (BG1, BG2, BG3, and BG4) were first sent to Mr. Hamlet and Mr. Bratcher, and they did request them to be moved out further. We did this and these new samples that are farther away were originally named BG1, BG2, BG3, and BG4. I then had Etech rename these to BG5, BG6, BG7, and BG8, however on the lab COC’s they remained with their original names. We have had Cardinal revise the COC to reflect the proper names and it should match our Chemistry table now. The Lab ID on the COC was H231858.
 - I believe it was an error on the GIS system and or map maker that BG1, BG2, BG3, and BG4 are showing where they are on page 18. I do not believe we took samples in those places shown. Attached are the background maps that I had sent etech showing where the samples should be.
- **V1 was not excavated to 5’ and TPH exceeded Table 1 closure standards at 5’. This area needs remediation. Contamination exceeding Table 1 closure standards for dtgw <50 feet still remains at V1, V2, BG2, BG3, BG4, BG6, BG7 and needs remediation. Resubmit remediation closure report to the OCD by 8/6/2024.**
 - We may need to have a quick call about this part to make sure we are on the same page. We can dig out the portions under V1 and V2 to remove that extra dirt if necessary, however when excavating, we our samples all came back clean at 3’ so that is why the excavation was stopped at that point.. As far as the BG samples, I do not believe we need to remediate what was there naturally correct?

Please let me know what you think and if you would have any time to get on the phone so we can make sure we are on the same page on what we need to do to get this one closed out, or at least to

the next stage.

Thank you,

Connor Walker

Sr. Engineer

Phone: 806-202-5281

Email: cwalker@mewbourne.com



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Wednesday, May 8, 2024 10:45 AM

To: Connor Walker <cwalker@mewbourne.com>

Subject: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 338696

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2308026482, for the following reasons:

- **This application has been rejected because the C-141 is incomplete. The submitted application indicates a conflict between the questions answered and the attachments that have been submitted. For example the answer "No" was selected when requesting a remediation closure approval; however, your attachments indicate that the intent is to request a remediation closure report approval. Please review the Dec 1, 2023, Public Notice titled Implementation of Digital C-141 and New Incident Statuses found on the OCD website. Review your C-141 submission and submit a new C-141 answering the appropriate questions for your circumstance.**
- **In rejection on 1/10/24, was told to average BG5-BG8 at each 1' increment. Averages in report are incorrect. Mewbourne was told in email correspondence with OCD (included at back of report) that B1-B4 were too close to release area and needed to be moved at least 50 yards west and east of release area, so that data is thrown out. Laboratory data for BG5-BG8 was not included in this report. Include in resubmittal. V1 was not excavated to 5' and TPH exceeded Table 1 closure standards at 5'. This area needs remediation. Contamination exceeding Table 1 closure standards for dtgw <50 feet still remains at V1, V2, BG2, BG3, BG4, BG6, BG7 and needs remediation. Resubmit remediation closure report to the OCD by 8/6/2024.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 338696.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error,

please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

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: 385506
Date: Friday, September 20, 2024 4:38:38 PM

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#) nAPP2308026482.

The sampling event is expected to take place:

When: 09/24/2024 @ 07:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Dominic Casarez
432-813-1036

Additional Instructions: From the intersection of Co Rd 721 and US-285 (32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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: 385507
Date: Friday, September 20, 2024 4:40:39 PM

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#) nAPP2308026482.

The sampling event is expected to take place:

When: 09/25/2024 @ 07:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Dominic Casarez
432-813-1036

Additional Instructions: From the intersection of Co Rd 721 and US-285 (32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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: 385508
Date: Friday, September 20, 2024 4:42:31 PM

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#) nAPP2308026482.

The sampling event is expected to take place:

When: 09/26/2024 @ 07:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Dominic Casarez
432-813-1036

Additional Instructions: From the intersection of Co Rd 721 and US-285 (32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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: 385509
Date: Friday, September 20, 2024 4:44:16 PM

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#) nAPP2308026482.

The sampling event is expected to take place:

When: 09/27/2024 @ 07:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Dominic Casarez
432-813-1036

Additional Instructions: From the intersection of Co Rd 721 and US-285 (32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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: 385510
Date: Friday, September 20, 2024 4:45:46 PM

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#) nAPP2308026482.

The sampling event is expected to take place:

When: 09/30/2024 @ 07:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Dominic Casarez
432-813-1036

Additional Instructions: From the intersection of Co Rd 721 and US-285 (32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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: 385511
Date: Friday, September 20, 2024 4:47:17 PM

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#) nAPP2308026482.

The sampling event is expected to take place:

When: 10/01/2024 @ 07:00

Where: P-36-24S-28E 0 FNL 0 FEL (32.169196,-104.032474)

Additional Information: Dominic Casarez
432-813-1036

Additional Instructions: From the intersection of Co Rd 721 and US-285 (32.195022, -104.064692), head E on Co Rd 721 for 1.17 mi, then E for 0.02 mi, then S for 0.44 mi, then E for 0.53 mi, then SE for 1.16 mi, then S onto the right-of-way to arrive at the Fleetwood Water Line release area (GPS: 32.170479, -104.032535).

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

Appendix F

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Registration

Lead Agency: NM State Land Office

Performing Agency: SWCA Environmental Consultants

Activity ID: 92278

Performing Agency Report No: 24-653

Other Agencies:

Report Recipient (Your Client): Etech Environmental & Safety Solutions

- Activity Types:
- ☐ Research Design
 - ☒ Archaeological Survey/Inventory
 - ☐ Architectural Survey/Inventory
 - ☐ Test Excavation
 - ☐ Monitoring
 - ☐ Collections/Non-Field Study
 - ☐ Compliance Decision
 - ☐ Literature Review Overview
 - ☐ Excavation
 - ☐ Ethnographic Study
 - ☐ Resource/Property Visit
 - ☐ Historic Structures Report
 - ☐ Other:

Total Survey Acreage: 21.95

Total Tribal Acreage: 0

Total Resources Visited: 0

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit
Choose an item.			<input type="checkbox"/>	Choose an item.	<input type="checkbox"/>	Choose an item.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Report Details

Type of Report

Type of Report: Negative

Lead Agency

Lead Agency: NM State Land Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: An Intensive Cultural Resources Survey for the CWMS Fleetwood Riser Inadvertent Release (32.171737°, -104.032543°) Remediation Project in Eddy County, New Mexico**

Authors: Beau Murphy

Publication Type: Report, Monograph, or Book

Description of Undertaking (what does the project entail?)

Description: Etech Environmental & Safety Solutions (Etech) contracted SWCA Environmental Consultants (SWCA) to conduct an intensive cultural resources pedestrian survey in support of a mitigation project for an unnamed pipeline release located at 32.171737°, -104.032543° in Eddy County, New Mexico. The remediation process will entail soil sampling and the removal of impacted sediments from the contaminated area and replacing them with clean soil. The inadvertent release extends over an area of .36 acres (.15 hectares). Etech requested a buffer of 300 feet (91.4 m) around the spill area, for a total area of potential effects (APE) of 21.95 acres (8.87 hectares) located 9.4 miles south of Loving, New Mexico on lands managed by the New Mexico State Land office (NMSLO). The NMSLO will serve as the lead agency.

Dates of Investigation

From: 7-Aug-2024 To: 7-Aug-2024

Report Date

Report Date: 29-Aug-2024

**Title has been adjusted at Etech's request. Submitted to NMCRIS under original title "An Intensive Cultural Resources Survey for the Unnamed Inadvertent Pipeline Release (32.171737°, -104.032543°) Remediation Project in Eddy County, New Mexico"

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Performing Agency/Consultant

Name: SWCA Environmental Consultants
Principal Investigator: Beau Murphy
Field Supervisor: Beau Murphy
Field Personnel Names:
Historian/Other:

Performing Agency Report Number

Report Number: 24-654

Client/Customer (project proponent)

Name: Etech Environmental & Safety Solutions
Contact: Lance Crenshaw
Address: 13000 WCR 100, Odessa, Texas 79765
Phone: (575) 631-1064

Client/Customer Project Number

Project Number:

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Owner/Manager List:	Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
	NM State Land Office	Class III	21.95	21.95
	Choose an item.	Choose an item.		

Total Survey Acreage: 21.95

Total Tribal Acreage: 0

Record Search(es)

Date of HPD/ARMS File Review: 31-Jul-2024

Date of Other Agency File Review: Click or tap to enter a date.

Survey Data

Source Graphics: NAD 83
✓ USGS 7.5' (1:24,000) topo map ☐ Other Topo Map Scale:
✓ GPS Unit <1M
☐ Aerial Photos Other Source Graphic(s):

The following tables (b,c,& e) are calculated by the NMCRIS Map Service

USGS 7.5' Topographic Map(s)

Map Name	USGS Quad Code
Malaga, NM	32104-B1

County(ies)

County	FIPS
Eddy	35015

Legal Description

Unplatted	Township (N/S)	Range (E/W)	Section
	T24S	R28E	36
	T24S	R29E	31

Projected Legal Description

Nearest City or Town:

Other Description: Loving, New Mexico

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

GIS

HPD Log No(s).

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NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Methodology

Survey Field Methods

Intensity: 100% coverage**Configuration:** ☒ Block Survey Units ☐ Linear Survey Units (l x y)**Other Survey Units:****Scope:** All Resources**Coverage Method:** ☒ Systematic Pedestrian Coverage **Other Method:****Survey Interval (m):** 15 **Crew Size:****Fieldwork Dates** **From** 7-Aug-2024 **To** 7-Aug-2024**Survey Person Hours:** 4 **Recording Person Hours:** 0

Additional Narrative: NMSLO defines the area of potential effects (APE) as the inadvertent release area, plus an additional 100 feet (30 m) from the edge of the release. Etech requested a buffer of 300 feet (91.4 m), resulting in an APE/survey area of 21.95 acres (8.87 hectares) entirely on NMSLO-managed lands.

Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.)

Environmental Setting: The project area is in the Chihuahuan Basins and Playas, U.S. Environmental Protection Agency (EPA) Level III ecoregion (code 24) and Chihuahuan Basins and Playas EPA Level IV ecoregion (code 24a). The Chihuahuan Basins and Playas subsection is one of the most arid habitats in New Mexico, with areas of salt flats and windblown sand accumulation commonly vegetated with creosote, tarbush, and fourwing saltbush (Griffin et al. 2006). The survey area itself sits at an elevation of approximately 2,924 feet (891 meters) above mean sea level, predominately vegetated with mesquite and creosote vegetation. Eroding limestone clasts are abundant in the area, which is mostly flatlands lacking aeolian accumulation. Underlying geology is entirely older alluvial deposits of upland and piedmont areas, and calcic soils and eolian cover sediments of High Plains region (Qoa). NRCS soil classification is composed of two types, Pajarito-Dune land complex, 0 to 3 percent slopes and Upton gravelly loam, 0 to 9 percent slopes (NRCS 2024).

Historical climate data was sourced through the Carlsbad (COOP Station No. 291469) climate station, which has data from the period between 1900 and 2016. The station is approximately 20 miles northwest of the project area, and indicates an average precipitation of 32.6 cm (12.84 inches), mostly arriving in July, August and September. Greater Eddy County is home to 346 species of birds, 88 species of mammals, 65 species of reptiles, and 51 species of fish (Biota Information System of New Mexico 2024). Deer, quail, javelina, and prairie rattlesnakes are common sightings near the study area.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Climate Data from Carlsbad, New Mexico

Climate Data	Carlsbad (COOP Station No. 291469)
Average maximum temperature during hottest month	35.33°C (95.6°F) in July
Average minimum temperature during coldest month	-2.3°C (27.8°F) in January
Average total precipitation and wettest months	32.6 cm (12.84 inches), most in July, August and September
Average total snowfall and snowiest months	11.2 cm (4.4 inches)

Source: Western Regional Climate Center (2024), period of record from 1900-2016.

References:

Biota Information System of New Mexico
2024 Database Query for Lea County. Available at: <http://www.bisonm.org/>. Accessed August 15, 2024.

Griffith, G. E., J. M. Omernik, M. M. McGraw, G. Z. Jacobi, C. M. Canavan, T. S. Schrader, D. Mercer, R. Hill, and B. C. Moran
2006 Ecoregions of New Mexico. Color poster with map, descriptive text, summary tables, and photographs, scale 1:1,400,000. U.S. Geological Survey, Reston, Virginia.

Natural Resources Conservation Service (NRCS)
2024 Web Soil Survey of Lea County, New Mexico. Available at: <http://websoilsurvey.nrcs.usda.gov/app/>. Accessed August 22, 2024.

Western Regional Climate Center
2024 New Mexico Climate Summaries. Available at <https://wrcc.dri.edu/summary/Climsmnm.html>. Accessed August 22, 2024.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8**HPD Log No(s).**

Methodology

Percent Ground Visibility

Ground Visibility: 51-75%

Condition of Survey Area: The survey area is heavily disturbed by multiple pipeline, pad, and access roads traversing the project area. Thin strips of land along the eastern and southwestern portions of the project area appear to be the only areas not evidencing significant surface disturbance from oil and gas development.

Attachments (check all appropriate boxes)

- ✓ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- ✓ Copy of NMCRIS Map Check (required)
- ☐ LA Site Forms – new sites (with sketch map & topographic map) if applicable
- ☐ LA Site Forms (update) – previously recorded & unrelocated sites (first 2 pages minimum)
- ☐ Historic Cultural Property Inventory Forms, if applicable
- ✓ List and Description of Isolates, if applicable
- ☐ List and Description of Collections, if applicable

Other Attachments

- ✓ Photographs and Log
- ✓ Other attachments **Describe:** Tables of previous surveys and sites.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Cultural Resource Findings

Investigation Results

Archaeological Sites Discovered and Registered: 0

Archaeological Sites Discovered and NOT Registered: 0

Previously Recorded Archaeological Sites Revisited (site update form required): 0

Previously Recorded Archaeological Sites Not Relocated (site update form required): 0

Total Archaeological Sites (visited & recorded): 0

Total Isolates Recorded: 1

☒ Non-Selective Isolate Recording

HCPI Properties Discovered and Registered: 0

HCPI Properties Discovered And NOT Registered: 0

Previously Recorded HCPI Properties Revisited: 0

Previously Recorded HCPI Properties NOT Relocated: 0

Total HCPI Properties (visited & recorded, including acequias): 0

If No Cultural Resources Found, Discuss Why:

The survey area is mostly lands developed with oil and gas infrastructure, with undisturbed areas that could house cultural resources constituting a small portion of the survey area.

Management Summary

Summary: NMSLO cultural resources preservation efforts requires that an archaeological survey be conducted to current standards for the APE pursuant to and in compliance with New Mexico Administrative Code (NMAC) 4.10.15 and 19.2.24 to ensure that cultural properties are not inadvertently excavated, harmed, or destroyed by any person.

The area of potential effects (APE) for the proposed remediation of the unnamed inadvertent pipeline release located at 32.171737°, -104.032543°, covers 21.95 acres of land managed by the New Mexico State Land Office, including a 300 ft buffer around the limits of a .36-acre release area. SWCA performed an intensive pedestrian survey of the APE on August 7, 2024. All portions of the survey area were safely accessed and inventoried. Pedestrian inventory identified no new or previously documented archaeological sites or historic cultural properties. One isolate, a piece of lithic debris was discovered and is recommended not eligible for NRHP listing. No additional investigation or treatment is recommended regarding the current undertaking; however, if previously unrecorded cultural resources are discovered during the undertaking, SWCA recommends that work should cease and the NMSLO should be notified immediately.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 1 5 6 4 3 8

HPD Log No(s).

Attachments

Documents

Attachment Type	Description	Name	File Type	Size	Upload Date	Upload By
Report/Manuscript	NIAF and Attachments	NMCRIS_156439	PDF document		8/29/2024	Beau Murphy



Figure 1. Survey area overview from northwest side, facing south (Frame -9707).



Figure 2. Survey area overview from northwest corner, mesquite scrubland environment heavily disturbed by infrastructure, facing south (Frame -6959).



Figure 3. Survey area overview from southwest corner facing northeast, very southern end contains small area of undisturbed land (Frame -3779).



Figure 4. Survey area overview near center of survey area looking over pipeline corridor, facing west (Frame -3390).



Figure 5. Overview of small undisturbed section of survey area running eastern side, facing south (Frame -0488).



Figure 6. Survey area overview from southeast corner. Eroding limestone clasts throughout project area, with abundant mesquite and creosote vegetation (Frame -0274).



Figure 7. Overview of scrub desert on western side, facing east (Frame -0095).

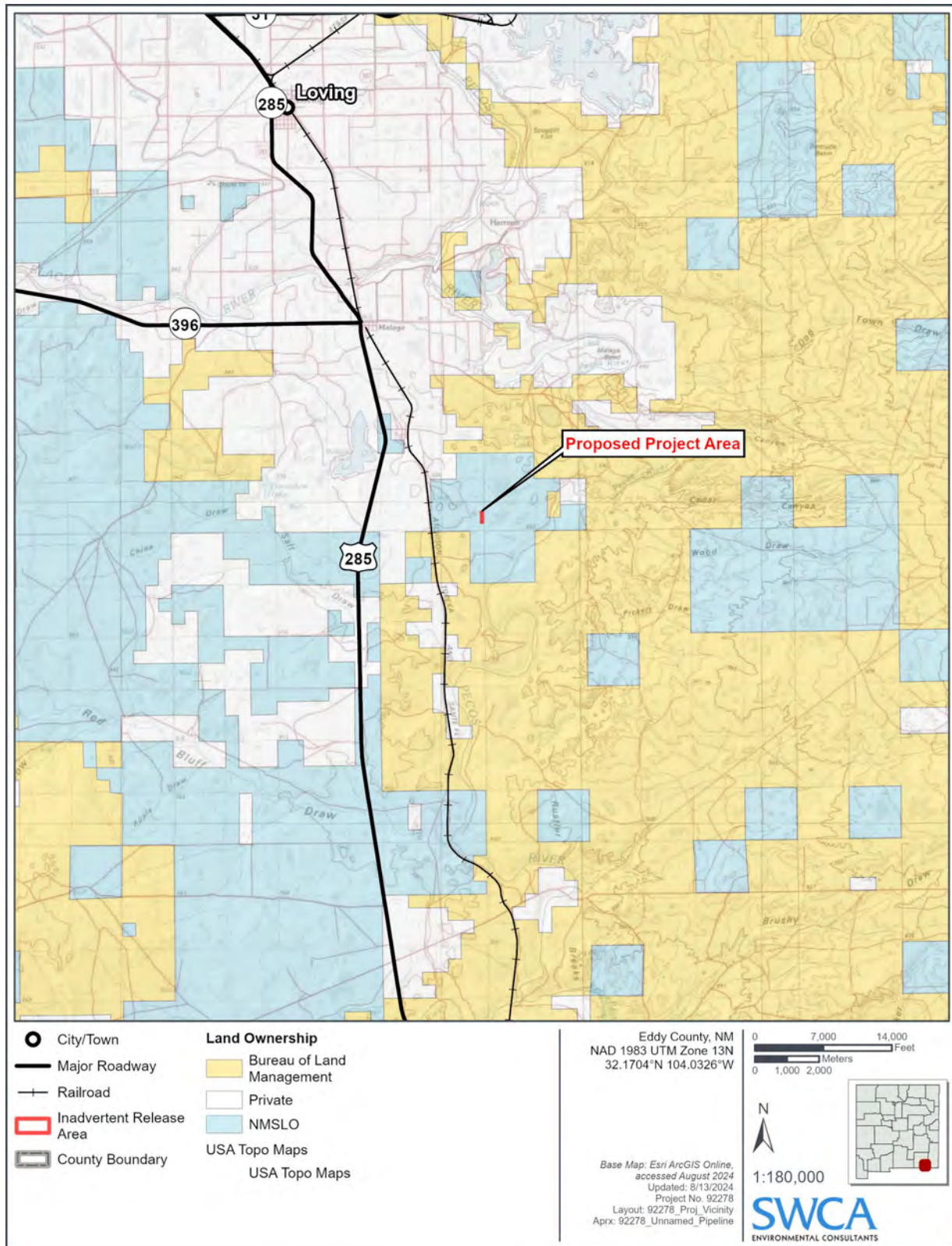


Figure 9. Project vicinity map.

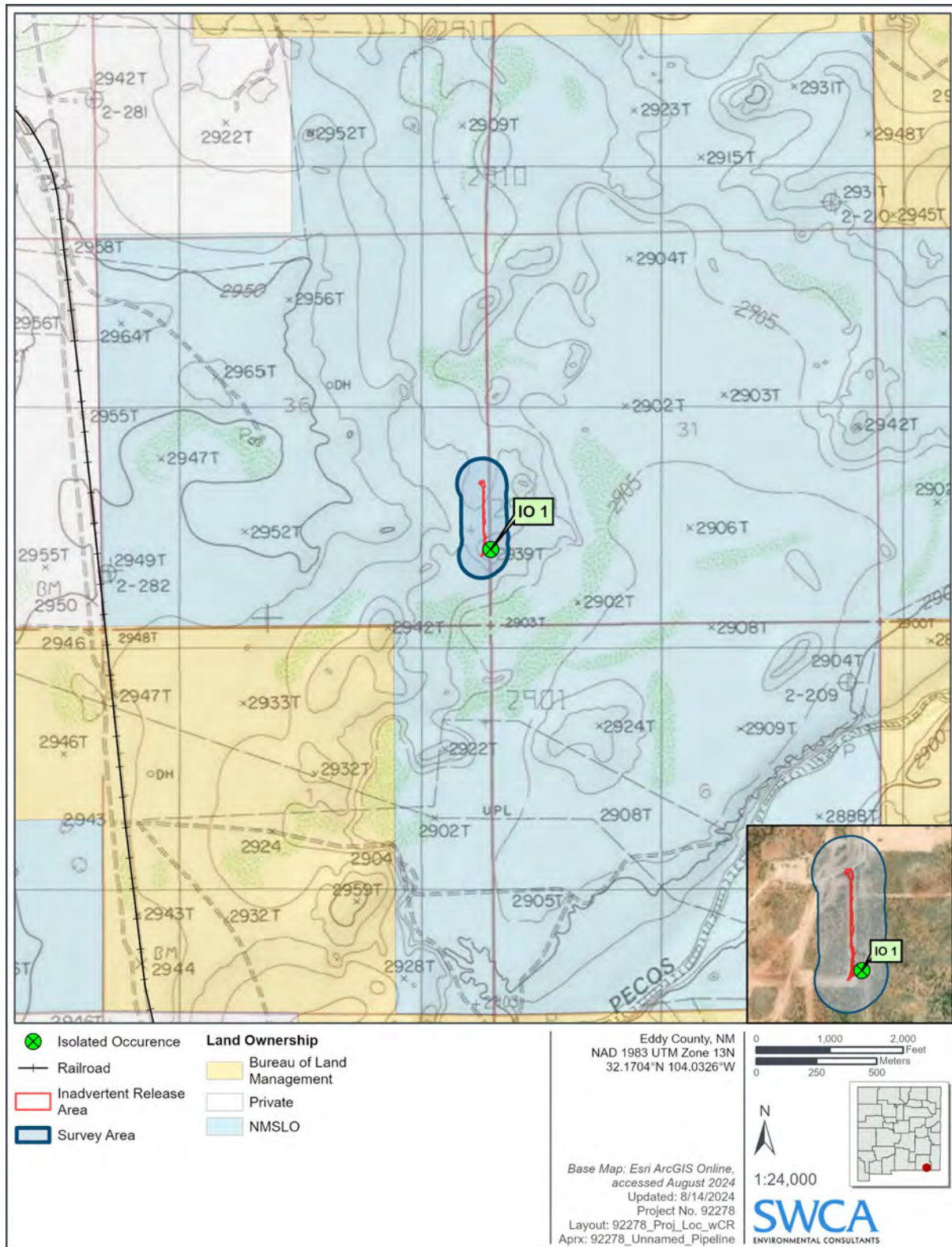


Figure 10. Project location map.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 390994

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	390994
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2308026482
Incident Name	NAPP2308026482 CWMS FLEETWOOD RISER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CWMS FLEETWOOD RISER
Date Release Discovered	03/06/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
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	
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.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 226 BBL Recovered: 50 BBL Lost: 176 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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QUESTIONS, Page 2

Action 390994

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	390994
	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: 10/08/2024
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QUESTIONS, Page 3

Action 390994

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:
	14744
	Action Number:
	390994
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 51 and 75 (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 ½ and 1 (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	Between 1 and 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	High
A 100-year floodplain	Between ½ and 1 (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
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.	
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)	2600
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	100
GRO+DRO	(EPA SW-846 Method 8015M)	103
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.3

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	05/08/2023
On what date will (or did) the final sampling or liner inspection occur	09/25/2024
On what date will (or was) the remediation complete(d)	10/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	21686
What is the estimated volume (in cubic yards) that will be reclaimed	2747
What is the estimated surface area (in square feet) that will be remediated	21686
What is the estimated volume (in cubic yards) that will be remediated	5932

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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QUESTIONS, Page 4

Action 390994

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 390994
	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: 10/08/2024
--	---

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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QUESTIONS, Page 5

Action 390994

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 390994
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 390994

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:
	14744
	Action Number:
	390994
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	385511
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2024
What was the (estimated) number of samples that were to be gathered	34
What was the sampling surface area in square feet	6800

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	21686
What was the total volume (cubic yards) remediated	5932
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	21686
What was the total volume (in cubic yards) reclaimed	2747
Summarize any additional remediation activities not included by answers (above)	Please see attached closure report for complete remediation activities.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 10/08/2024
--	---

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QUESTIONS, Page 7

Action 390994

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	390994
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 390994

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/22/2024