

Amended Remediation Summary & Soil Closure Request



Mewbourne Oil Company Rio Grande 2-1 #521H

Eddy County, New Mexico
Unit Letter "D", Section 2, Township 19 South, Range 28 East
Latitude 32.69156 North, Longitude 104.15495 West
NMOCD Reference No. nAPP2418546373

Prepared By:

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March 28, 2025


Ben J. Arguijo
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Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Amended Remediation Summary & Soil Closure Request* for the release site known as the Rio Grande 2-1 #521H (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.69156 Longitude: -104.15495

Provided GPS are in WGS84 format.

Site Name:	Rio Grande 2-1 #521H	Site Type:	Tank (Any)
Date Release Discovered:	6/21/2024	API # (if applicable):	30-015-49891

Unit Letter	Section	Township	Range	County
"D"	2	19S	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) 125	Volume Recovered (bbls) 36
	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: Human Error		

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 Permitting system.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	Direct Measurement
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution or church?	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring?	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Greater than 5 (mi.)
A wetland?	Between ½ and 1 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 500 and 1000 (ft.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on August 9, 2024, an investigative soil boring (NMOSE well #CP-02012-POD1) was drilled at the Site in an effort to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 105 feet bgs and left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment. In addition, a groundwater gauging event conducted on August 14, 2024, confirmed that the borehole was dry. The location of the investigative soil boring is depicted in Figures 2A, 2B, and 4. A drilling log is provided in Appendix A.

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
Between 100 and 500 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	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	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

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

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

On August 12, 2024, Etech conducted an initial site assessment. During the initial site assessment, a series of seven (7) hand-augered soil bores (SP 1 through SP 7) were advanced within the inferred margins of the release in an effort to determine the vertical extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, seven (7) delineation soil samples (SP 1 @ 6", SP 2 @ 6", SP 3 @ 6", SP 4 @ 6", SP 5 @ 1', SP 6 @ 6", and SP 7 @ 1') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. A review of laboratory analytical results indicated that additional vertical delineation and/or excavation of the affected area was required.

The locations of the hand-augered soil bores are depicted in Figure 3A, "Sample Location Map - Delineation".

5.0 REMEDIATION ACTIVITIES SUMMARY

On August 8, 2024, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria established for the Site based on the depth to groundwater (i.e., 1,000 mg/kg GRO+DRO; 2,500 mg/kg TPH; and 20,000 mg/chloride) was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	24,000	TT 2 @ 0'	8/22/2024	0	Excavated
TPH	38,500	TT 1 @ 0'	8/22/2024	0	Excavated
GRO+DRO	29,200	TT 1 @ 0'	8/22/2024	0	Excavated
BTEX	77.1	SP 3 @ 6"	8/12/2024	0.5	Excavated
Benzene	0.143	TT 1 @ 0'	8/22/2024	0	Excavated

Please reference Table 1 for additional information.

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?	8/8/2024	
On what date will (or did) the final sampling or liner inspection occur?	2/12/2025	
On what date will (or was) the remediation complete(d)?	2/18/2025	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	36,855	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	2,730	
What was the total surface area (sq. ft.) that has or will be remediated?	36,855	
What was the total volume (cy) that has or will be remediated?	1,864	
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?	Lea Land, Inc.	
NMOCD Disposal Facility ID?	fEEM0112342028	
Summarize any additional remediation activities not included by answers above.	See below	

On August 13, 2024, Etech collected three (3) confirmation soil samples (NW 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 chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. TPH concentrations exceeded the NMOCD Closure Criterion in each of the submitted soil samples. Based on laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples NW 1, SW 1, and WW 1.

On August 14, 2024, Etech collected 18 confirmation soil samples (FL 1 @ 1' through FL 18 @ 1') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria in a majority of the submitted soil samples, with the exception of soil sample FL 2 @ 1'. The GRO+DRO concentration in soil sample FL 9 @ 1' also exceeded the NMOCD Closure Criterion. Chloride concentrations were below the NMOCD Closure Criterion in each of the submitted soil samples. Based on laboratory analytical results and field screens, the excavation was subsequently further advanced in the areas characterized by soil samples FL 1 @ 1', FL 2 @ 1', and FL 9 @ 1'.

On August 15, 2024, Etech collected 17 confirmation soil samples (FL 19 @ 1' through FL 32 @ 1', NW 1A, SW 1A, and WW 1A) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. However, the GRO+DRO concentration in soil sample FL 20 @ 1' exceeded the NMOCD Closure Criterion. Based on laboratory analytical results and field screens, the excavation was subsequently further advanced in the areas characterized by soil samples FL 20 @ 1' and FL 28 @ 1'.

On August 16, 2024, Etech collected 18 confirmation soil samples (FL 33 @ 0.5' through FL 50 @ 0.5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On August 20, 2024, Etech collected 24 confirmation soil samples (FL 51 @ 1' through FL 74 @ 0.5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On August 22, 2024, Etech advanced two (2) test trenches (TT 1 and TT 2) at the Site to ensure that the vertical extent of impacted soil had been adequately delineated. During the advancement of the test trenches, soil samples were collected at 1-foot intervals and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. Based on field observations and field test results, eight (8) delineation soil samples (TT 1 @ 0', TT 1 @ 1', TT 1 @ 2', TT 1 @ 3', TT 2 @ 0', TT 2 @ 1', TT 2 @ 2', and TT 2 @ 3') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on these laboratory analytical results, the vertical extent of impacted soil was adequately defined and did not extend beyond two (2) feet bgs in the areas characterized by sample points TT 1 and TT 2.

On August 22, 2024, Etech also collected 113 confirmation soil samples (FL 1 @ 2', FL 2 @ 2', FL 20 @ 1.5', FL 28 @ 1.5', FL 75 @ 6" through FL 182 @ 6", and EW 1) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On August 23, 2024, Etech collected one (1) confirmation soil sample (FL 9 @ 2') from the floor of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations in the soil sample were below the applicable NMOCD Closure Criteria.

On August 26, 2024, Etech collected one (1) confirmation soil sample (EW 1A) from the sidewall of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations in the soil sample were below the applicable NMOCD Closure Criteria.

On August 28, 2024, Etech collected five (5) confirmation soil samples (NW 2, EW 2, SW 2, WW 1B, and WW 2) 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, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples.

On September 19, 2024, 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 October 22, 2024, on the basis that the Site needed to be remediated to the strictest NMOCD Closure Criteria, as the lateral extents of the release were within 300 feet of a significant watercourse.

On January 30, 2025, Etech returned to the Site. In accordance with the NMOCD's mandate, impacted soil affected above the revised NMOCD Closure Criteria of 100 mg/kg TPH and/or 600 mg/kg chloride was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Etech collected nine (9) confirmation soil samples (FL 60 @ 1' through FL 64 @ 1', FL 179 @ 1', FL 180 @ 1', FL 181 @ 1', and FL 182 @ 1') from the floor of the newly excavated area and submitted them 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.

On January 31, 2025, Etech collected 40 confirmation soil samples (FL 3 @ 1.5' through FL 8 @ 1.5', FL 10 @ 1.5' through FL 19 @ 1.5', FL 21 @ 1.5' through FL 27 @ 1.5', FL 30 @ 1.5', FL 31 @ 1.5', FL 32 @ 1.5', FL 48 @ 1', FL 55 @ 1.5', FL 57 @ 1', FL 58 @ 1', and FL 65 @ 1' through FL 74 @ 1') from the 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 chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples, as were the TPH concentrations in soil samples FL 3 @ 1.5' through FL 8 @ 1.5', FL 10 @ 1.5' through FL 19 @ 1.5', and FL 21 @ 1.5' through FL 23 @ 1.5'. However, TPH concentrations in soil samples FL 24 @ 1.5' through FL 27 @ 1.5', FL 30 @ 1.5', FL 31 @ 1.5', FL 32 @ 1.5', FL 48 @ 1', FL 55 @ 1.5', FL 57 @ 1', FL 58 @ 1', FL 65 @ 1' through FL 71 @ 1', FL 73 @ 1', and FL 74 @ 1' exceeded the NMOCD Closure Criterion. Based on laboratory analytical results and field screens, the excavation was subsequently further advanced in the areas characterized by soil samples FL 24 @ 1.5' through FL 27 @ 1.5', FL 30 @ 1.5', FL 31 @ 1.5', FL 32 @ 1.5', FL 48 @ 1', FL 55 @ 1.5', FL 57 @ 1', FL 58 @ 1', FL 65 @ 1' through FL 71 @ 1', FL 73 @ 1', and FL 74 @ 1'.

On February 3, 2025, Etech collected one (1) confirmation soil sample (FL 29 @ 1.5') 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 the BTEX concentration was below the NMOCD Closure Criterion. However, the TPH and chloride concentrations exceeded the applicable NMOCD Closure Criteria. Based on laboratory analytical results and field screens, the excavation was subsequently further advanced in the area characterized by soil sample FL 29 @ 1.5'.

On February 12, 2025, Etech collected 21 confirmation soil samples (FL 24 @ 2' through FL 27 @ 2', FL 29 @ 2' through FL 32 @ 2', FL 48 @ 1.5', FL 55 @ 2', FL 57 @ 1.5', FL 58 @ 1.5', FL 65 @ 1.5' through FL 71 @ 1.5', FL 73 @ 1.5', and FL 74 @ 1.5') from the 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.

The final dimensions of the excavated area were approximately 126 to 302 feet in length, 48 to 144 feet in width, and six (6) inches to two (2) feet in depth. During the course of remediation activities, Etech transported approximately 1,864 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,944 cubic yards of locally sourced, non-impacted material to the Site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3B, "Sample Location Map - Excavation". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

6.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What was the total surface area (sq. ft.) remediated?	<u>36,855</u>	
What was the total volume (cy) remediated?	<u>1,864</u>	

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

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

7.0 RESTORATION, RECLAMATION & RE-VEGETATION SUMMARY

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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input type="checkbox"/> Yes	<input checked="" 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?	0	
What was the total volume (in cubic yards) reclaimed?	0	

From August 26 through August 28, 2024, and February 18, 2025, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted, "like" material 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.

The release was limited to the recently constructed caliche pad of an active production facility and did not impact the adjacent pasture. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the facility. The reclaimed area will be revegetated with an agency and/or landowner-approved seed mix that has been certified to be free of noxious and invasive weeds during the first favorable growing season following closure of the facility. The seed will be installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

8.0 LIMITATIONS

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

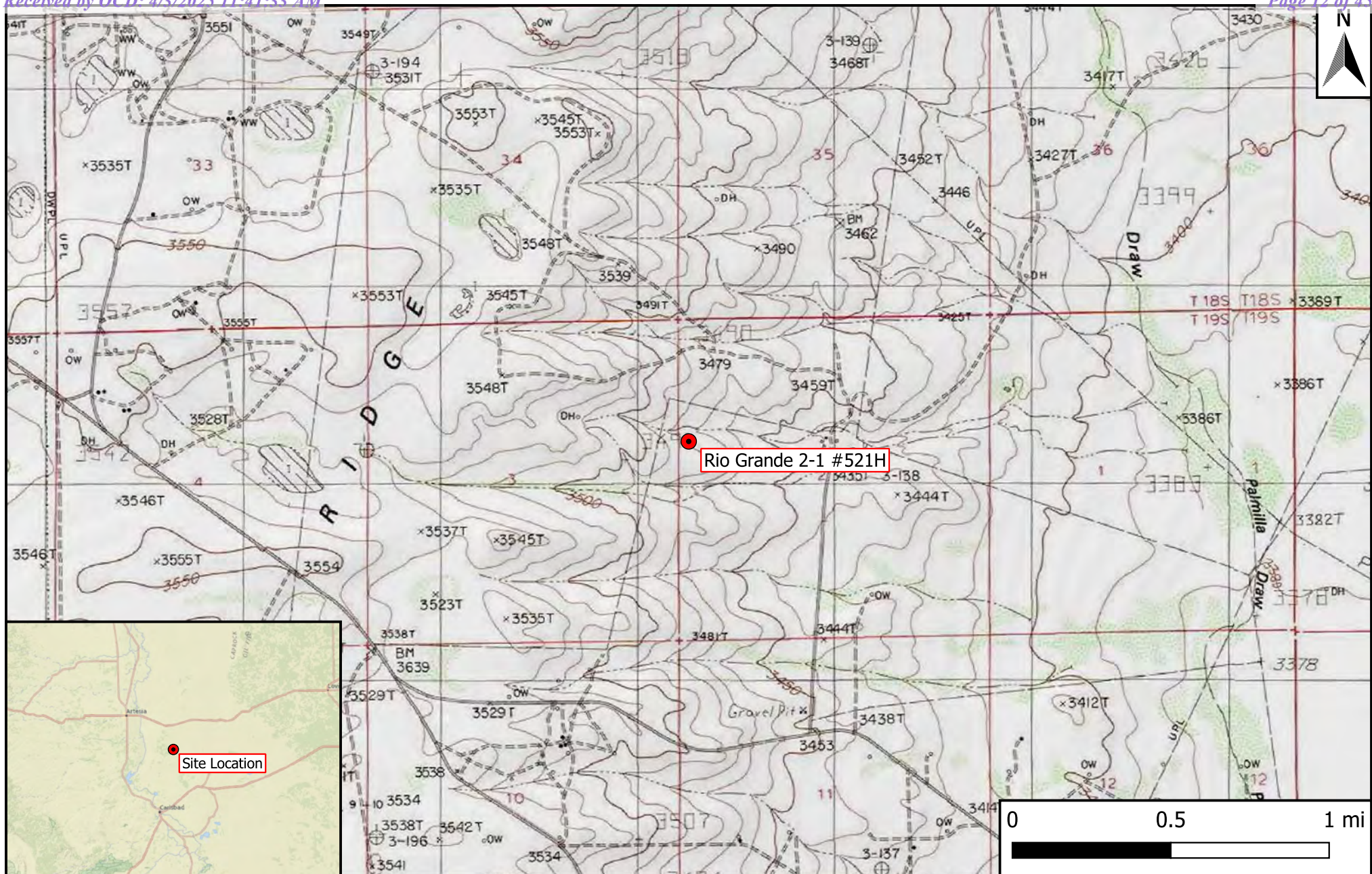
Suite 117

Hobbs, NM 88240

(Electronic Submission)

Figure 1

Site Location Map



Legend

- Site Location

Figure 1

Site Location Map
 Mewbourne Oil Company
 Rio Grande 2-1 #521H
 GPS: 32.69156, -104.15495
 Eddy County, New Mexico



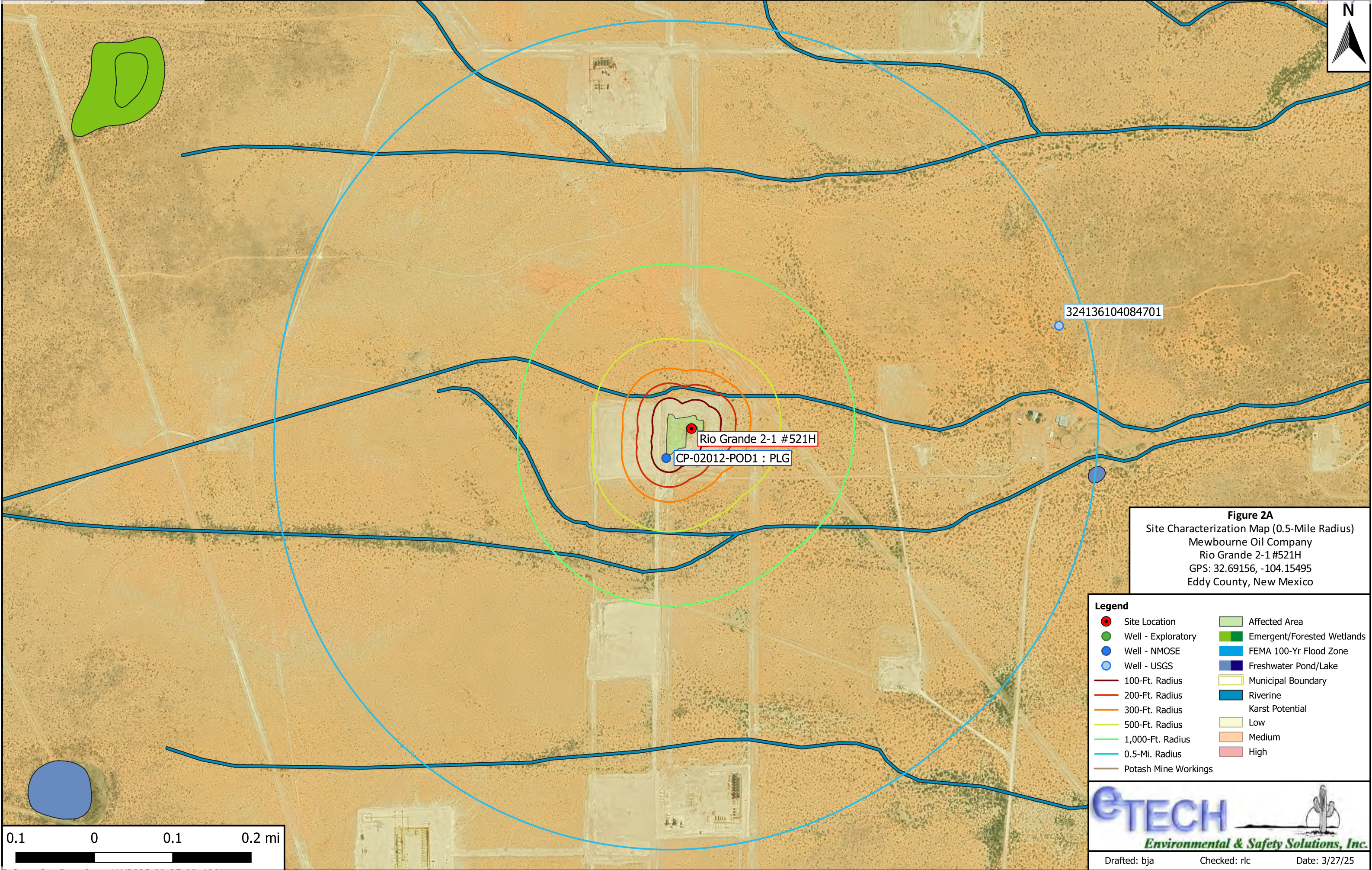
Drafted: bja

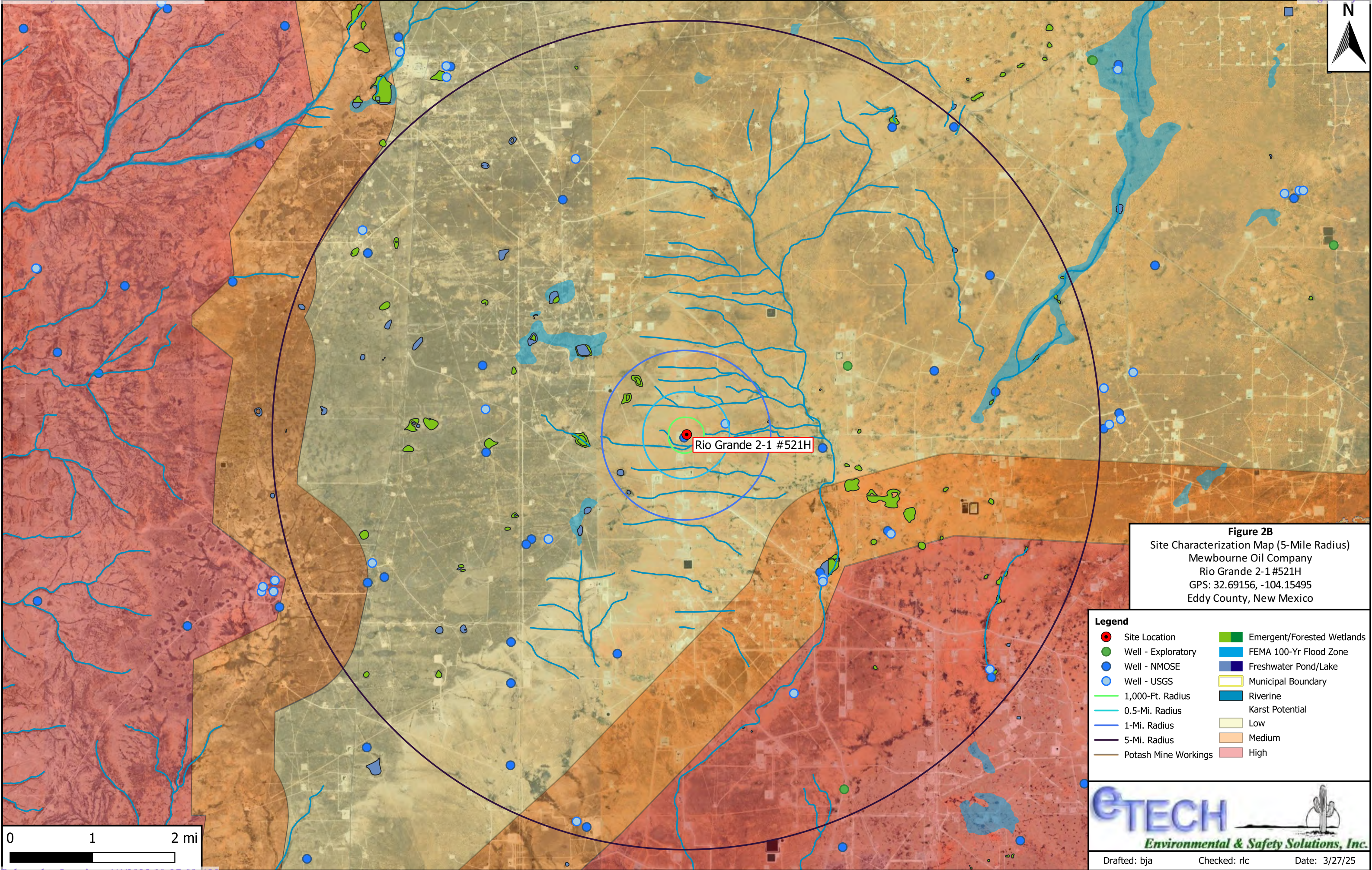
Checked: rlc

Date: 8/7/24

Figures 2A & 2B

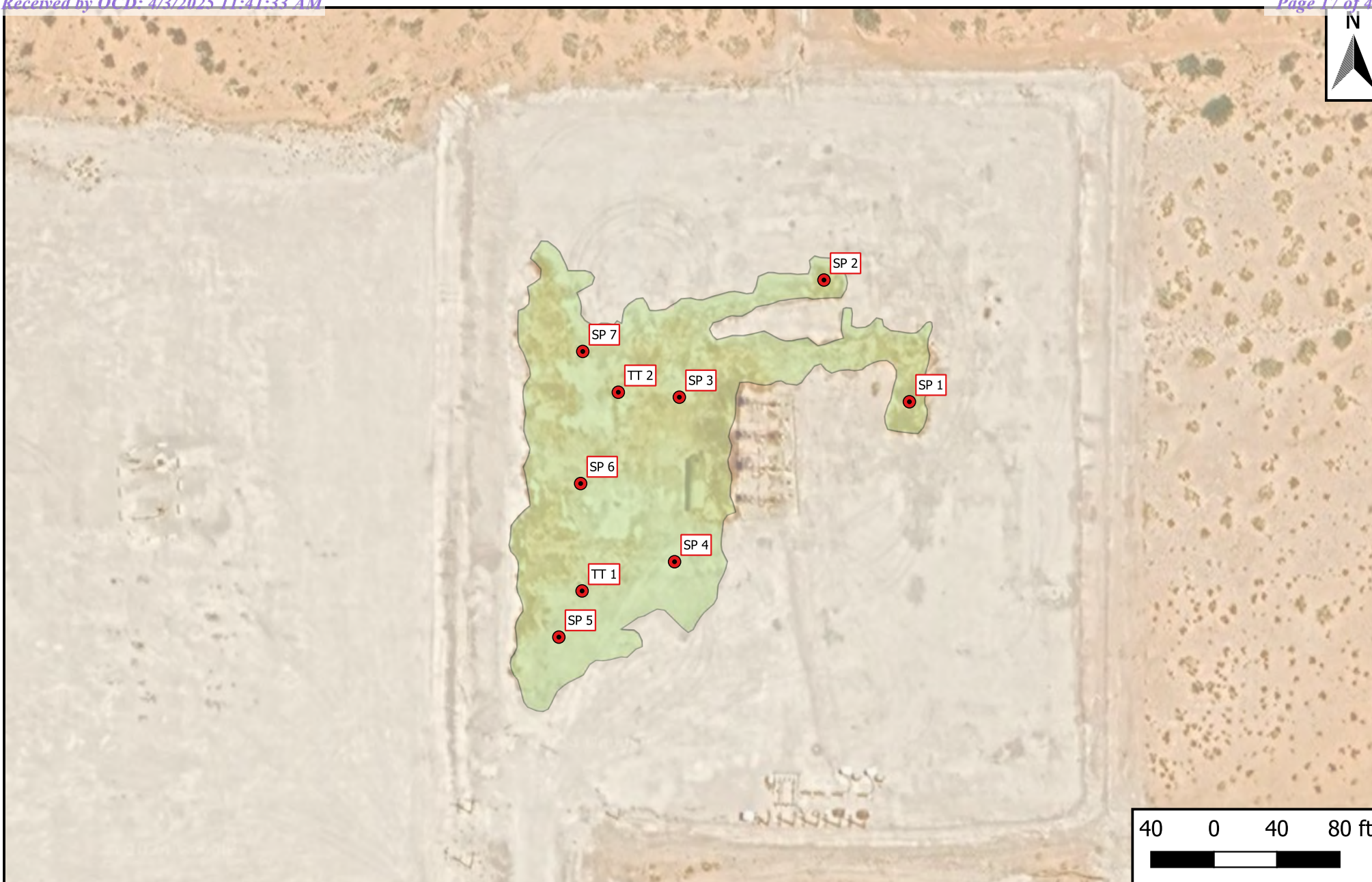
Site Characterization Maps





Figures 3A & 3B

Sample Location Maps



Legend



-  Affected Area (35,349 ft²)
-  Delineation Sample Location

Figure 3A

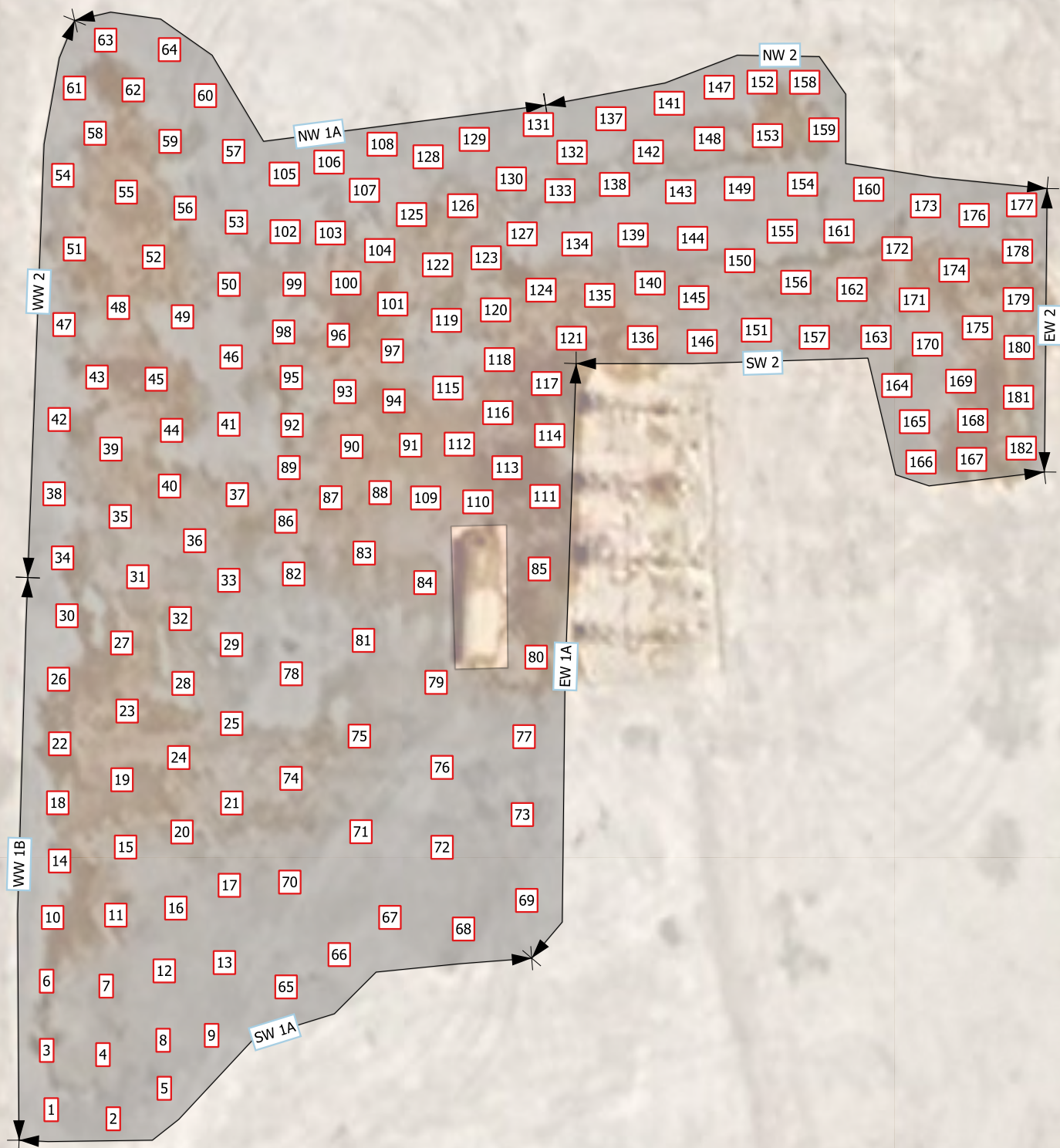
Sample Location Map - Delineation
Mewbourne Oil Company
Rio Grande 2-1 #521H
GPS: 32.69156, -104.15495
Eddy County, New Mexico



Drafted: bja

Checked: rlc

Date: 9/19/24



Legend

- Excavation Extent (36,855 ft²)
- Composite Floor Sample
- Composite Wall Sample

Figure 3B

Sample Location Map -Excavation
 Mewbourne Oil Company
 Rio Grande 2-1 #521H
 GPS: 32.69156, -104.15495
 Eddy County, New Mexico



Created: bja

Checked: rlc

Date: 9/19/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Rio Grande 2-1 #521H
NMOCD Ref. #: nAPP2418546373

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)
SP 1 @ 6"	8/12/2024	0.5	Excavated	<0.050	1.97	306	14,700	15,000	2,230	17,200	896
SP 2 @ 6"	8/12/2024	0.5	Excavated	<0.050	48.9	850	18,200	19,100	3,450	22,500	6,720
SP 3 @ 6"	8/12/2024	0.5	Excavated	<0.050	77.1	1,330	17,600	18,900	3,280	22,200	2,100
SP 4 @ 6"	8/12/2024	0.5	Excavated	<0.050	<0.300	<10.0	751	751	339	1,090	8,080
SP 5 @ 1'	8/12/2024	1	Excavated	<0.050	<0.300	<10.0	935	935	449	1,380	8,160
SP 6 @ 6"	8/12/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,800
SP 7 @ 1'	8/12/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,400
TT 1 @ 0'	8/22/2024	0	Excavated	0.143	21.2	229	29,000	29,200	9,300	38,500	23,200
TT 1 @ 1'	8/22/2024	1	Excavated	<0.050	3.58	31.4	6,610	6,640	1,520	8,160	464
TT 1 @ 2'	8/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
TT 1 @ 3'	8/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
TT 2 @ 0'	8/22/2024	0	Excavated	0.0940	16.3	183	26,900	27,100	9,140	36,200	24,000
TT 2 @ 1'	8/22/2024	1	Excavated	<0.050	3.50	32.7	6,580	6,610	1,380	7,990	432
TT 2 @ 2'	8/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
TT 2 @ 3'	8/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 1 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	211	211	24.5	236	2,440
FL 1 @ 2'	8/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
FL 2 @ 1'	8/14/2024	1	Excavated	<0.100	56.2	437	2,670	3,110	379	3,490	1,020
FL 2 @ 2'	8/22/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FL 3 @ 1'	8/14/2024	1	Excavated	<0.050	0.349	<10.0	159	159	36.2	195	2,680
FL 3 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	47.8	47.8	13.4	61.2	144
FL 4 @ 1'	8/14/2024	1	Excavated	<0.050	9.77	51.0	902	953	105	1,060	3,000
FL 4 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	15.1	15.1	<10.0	15.1	144
FL 5 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	11.5	11.5	<10.0	11.5	1,230
FL 5 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	18.6	18.6	<10.0	18.6	176
FL 6 @ 1'	8/14/2024	1	Excavated	<0.050	1.21	12.4	232	244	25.1	270	2,240
FL 6 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	11.7	11.7	<10.0	11.7	160
FL 7 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	118	118	<10.0	118	2,360
FL 7 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	30.7	30.7	<10.0	30.7	224
FL 8 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	154	154	13.2	167	2,520
FL 8 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	63.2	63.2	20.6	83.8	208
FL 9 @ 1'	8/14/2024	1	Excavated	<0.050	3.06	57.4	967	1,020	171	1,200	3,920
FL 9 @ 2'	8/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 10 @ 1'	8/14/2024	1	Excavated	<0.050	0.394	<10.0	299	299	66.6	366	1,880
FL 10 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	48.9	48.9	<10.0	48.9	272
FL 11 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	21.2	21.2	<10.0	21.2	1,060
FL 11 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	20.1	20.1	<10.0	20.1	176
FL 12 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	258	258	44.4	302	2,920
FL 12 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	39.0	39.0	<10.0	39.0	240
FL 13 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	124	124	15.7	140	2,880
FL 13 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	50.1	50.1	10.8	60.9	224
FL 14 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,120
FL 14 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	51.3	51.3	10.8	62.1	176
FL 15 @ 1'	8/14/2024	1	Excavated	<0.050	1.25	20.3	422	442	78.7	521	2,320

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

Bold: NMOCD Closure Criteria and NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Rio Grande 2-1 #521H NMOCD Ref. #: nAPP2418546373											
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 15 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	32.5	32.5	<10.0	32.5	272
FL 16 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	82.2	82.2	15.4	97.6	2,200
FL 16 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	39.8	39.8	<10.0	39.8	240
FL 17 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	116	116	16.8	133	2,000
FL 17 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	37.4	37.4	<10.0	37.4	256
FL 18 @ 1'	8/14/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 18 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	53.1	53.1	<10.0	53.1	304
FL 19 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	39.5	39.5	<10.0	39.5	2,880
FL 19 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	61.2	61.2	<10.0	61.2	336
FL 20 @ 1'	8/15/2024	1	Excavated	<0.050	1.94	53.1	1,770	1,820	283	2,110	368
FL 20 @ 1.5'	8/22/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 21 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	79.0	79.0	13.2	92.2	2,480
FL 21 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	50.9	50.9	<10.0	50.9	272
FL 22 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	66.3	66.3	<10.0	66.3	4,100
FL 22 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	69.3	69.3	13.7	83.0	384
FL 23 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	14.3	14.3	<10.0	14.3	2,720
FL 23 @ 1.5'	1/31/2025	1.5	In-Situ	<0.050	<0.300	<10.0	59.2	59.2	<10.0	59.2	352
FL 24 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	14.8	14.8	<10.0	14.8	2,680
FL 24 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	96.1	96.1	31.0	127	272
FL 24 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 25 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	73.8	73.8	12.9	86.7	2,040
FL 25 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	79.6	79.6	20.8	100	304
FL 25 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 26 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	122	122	19.3	141	4,480
FL 26 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	153	153	58.7	212	288
FL 26 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 27 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
FL 27 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	139	139	52.5	192	288
FL 27 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 28 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,700
FL 28 @ 1.5'	8/22/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 29 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,120
FL 29 @ 1.5'	2/3/2025	1.5	Excavated	<0.050	<0.300	<10.0	334	334	52.7	387	1,100
FL 29 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 30 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL 30 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	194	194	88.2	282	320
FL 30 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 31 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	53.8	53.8	10.6	64.4	3,600
FL 31 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	132	132	43.2	175	288
FL 31 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 32 @ 1'	8/15/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
FL 32 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	113	113	36.1	149	320
FL 32 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 33 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240

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

Bold: NMOCD Closure Criteria and NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Rio Grande 2-1 #521H NMOCD Ref. #: nAPP2418546373											
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 34 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	10.5	10.5	<10.0	10.5	256
FL 35 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 36 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 37 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 38 @ 1'	8/16/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 39 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	11.4	11.4	<10.0	11.4	224
FL 40 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 41 @ 1'	8/16/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 42 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 43 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	12.9	12.9	<10.0	12.9	320
FL 44 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 45 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 46 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL 47 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 48 @ 0.5'	8/16/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 48 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	115	115	35.7	151	320
FL 48 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 49 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 50 @ 0.5'	8/16/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 51 @ 1'	8/20/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 52 @ 1'	8/20/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 53 @ 1'	8/20/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 54 @ 1'	8/20/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
FL 55 @ 1'	8/20/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL 55 @ 1.5'	1/31/2025	1.5	Excavated	<0.050	<0.300	<10.0	204	204	116	320	320
FL 55 @ 2'	2/12/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 56 @ 0.5'	8/20/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 57 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL 57 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	123	123	41.4	164	304
FL 57 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 58 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,010
FL 58 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	104	104	33.5	138	288
FL 58 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 59 @ 0.5'	8/20/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 60 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,100
FL 60 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 61 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL 61 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 62 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
FL 62 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 63 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 63 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 64 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
FL 64 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256

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

Bold: NMOCD Closure Criteria and NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Rio Grande 2-1 #521H
NMOCD Ref. #: nAPP2418546373

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 65 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
FL 65 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	121	121	59.2	180	128
FL 65 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 66 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 66 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	110	110	67.5	178	144
FL 66 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 67 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL 67 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	125	125	86.3	211	48.0
FL 67 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 68 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 68 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	134	134	84.1	218	272
FL 68 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 69 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	24.4	24.4	<10.0	24.4	624
FL 69 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	125	125	61.0	186	176
FL 69 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 70 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 70 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	111	111	67.7	179	192
FL 70 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 71 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	10.1	10.1	<10.0	10.1	1,010
FL 71 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	317	317	141	458	160
FL 71 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 72 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
FL 72 @ 1'	1/31/2025	1	In-Situ	<0.050	<0.300	<10.0	49.8	49.8	11.6	61.4	160
FL 73 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
FL 73 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	174	174	112	286	368
FL 73 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 74 @ 0.5'	8/20/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
FL 74 @ 1'	1/31/2025	1	Excavated	<0.050	<0.300	<10.0	151	151	97.5	249	32.0
FL 74 @ 1.5'	2/12/2025	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 75 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	49.8	49.8	13.0	62.8	224
FL 76 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	28.8	28.8	<10.0	28.8	320
FL 77 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	38.3	38.3	<10.0	38.3	288
FL 78 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	41.1	41.1	<10.0	41.1	352
FL 79 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 80 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 81 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	29.3	29.3	<10.0	29.3	272
FL 82 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	17.9	17.9	<10.0	17.9	320
FL 83 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 84 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 85 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 86 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 87 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	11.6	11.6	<10.0	11.6	176
FL 88 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	16.9	16.9	<10.0	16.9	176
FL 89 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	17.8	17.8	<10.0	17.8	192

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

Bold: NMOCD Closure Criteria and NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Rio Grande 2-1 #521H NMOCD Ref. #: nAPP2418546373											
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 90 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 91 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 92 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	14.5	14.5	<10.0	14.5	176
FL 93 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	12.2	12.2	<10.0	12.2	176
FL 94 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	10.3	10.3	<10.0	10.3	128
FL 95 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	21.8	21.8	<10.0	21.8	192
FL 96 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	13.1	13.1	<10.0	13.1	144
FL 97 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	25.1	25.1	<10.0	25.1	128
FL 98 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	13.1	13.1	<10.0	13.1	160
FL 99 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 100 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 101 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 102 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	27.3	27.3	<10.0	27.3	240
FL 103 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	13.7	13.7	<10.0	13.7	176
FL 104 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	60.7	60.7	14.3	75.0	112
FL 105 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	17.2	17.2	<10.0	17.2	96.0
FL 106 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	15.0	15.0	<10.0	15.0	176
FL 107 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 108 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 109 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 110 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 111 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	14.4	14.4	<10.0	14.4	176
FL 112 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 113 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	11.7	11.7	<10.0	11.7	160
FL 114 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 115 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 116 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	29.3	29.3	<10.0	29.3	160
FL 117 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	10.5	10.5	<10.0	10.5	144
FL 118 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 119 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 120 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 121 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 122 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 123 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 124 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 125 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 126 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 127 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 128 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 129 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 130 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 131 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 132 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 133 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192

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

Bold: NMOCD Closure Criteria and NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Rio Grande 2-1 #521H NMOCD Ref. #: nAPP2418546373											
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 134 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 135 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 136 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 138 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 139 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 140 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 141 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 142 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 143 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 144 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 145 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 146 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 147 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	17.8	17.8	<10.0	17.8	304
FL 148 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	12.8	12.8	<10.0	12.8	336
FL 149 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	19.3	19.3	<10.0	19.3	272
FL 150 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	23.1	23.1	<10.0	23.1	304
FL 151 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	14.7	14.7	<10.0	14.7	304
FL 152 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	19.6	19.6	<10.0	19.6	304
FL 153 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	13.9	13.9	<10.0	13.9	304
FL 154 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	47.2	47.2	<10.0	47.2	288
FL 155 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 156 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	14.5	14.5	<10.0	14.5	320
FL 157 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	10.6	10.6	<10.0	10.6	304
FL 158 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	16.5	16.5	<10.0	16.5	304
FL 159 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	29.5	29.5	<10.0	29.5	288
FL 160 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	17.9	17.9	<10.0	17.9	320
FL 161 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	10.3	10.3	<10.0	10.3	256
FL 162 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 163 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 164 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 165 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 166 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 167 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 168 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 169 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 170 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 171 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 172 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 173 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	11.0	11.0	<10.0	11.0	192
FL 174 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 175 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 176 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	11.3	11.3	<10.0	11.3	256
FL 177 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 178 @ 6"	8/22/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384

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

Bold: NMOCD Closure Criteria and NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Rio Grande 2-1 #521H NMOCD Ref. #: nAPP2418546373											
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 179 @ 6"	8/22/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
FL 179 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 180 @ 6"	8/22/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
FL 180 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 181 @ 6"	8/22/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 181 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 182 @ 6"	8/22/2024	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 182 @ 1'	1/30/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
NW 1	8/13/2024	0-0.5	Excavated	<0.050	<0.300	<10.0	420	420	63.3	483	512
NW 1A	8/15/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	66.2	66.2	22.0	88.2	32.0
NW 2	8/28/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 1	8/22/2024	0-0.5	Excavated	<0.050	<0.300	<10.0	97.2	97.2	29.3	127	96.0
EW 1A	8/26/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EW 2	8/28/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

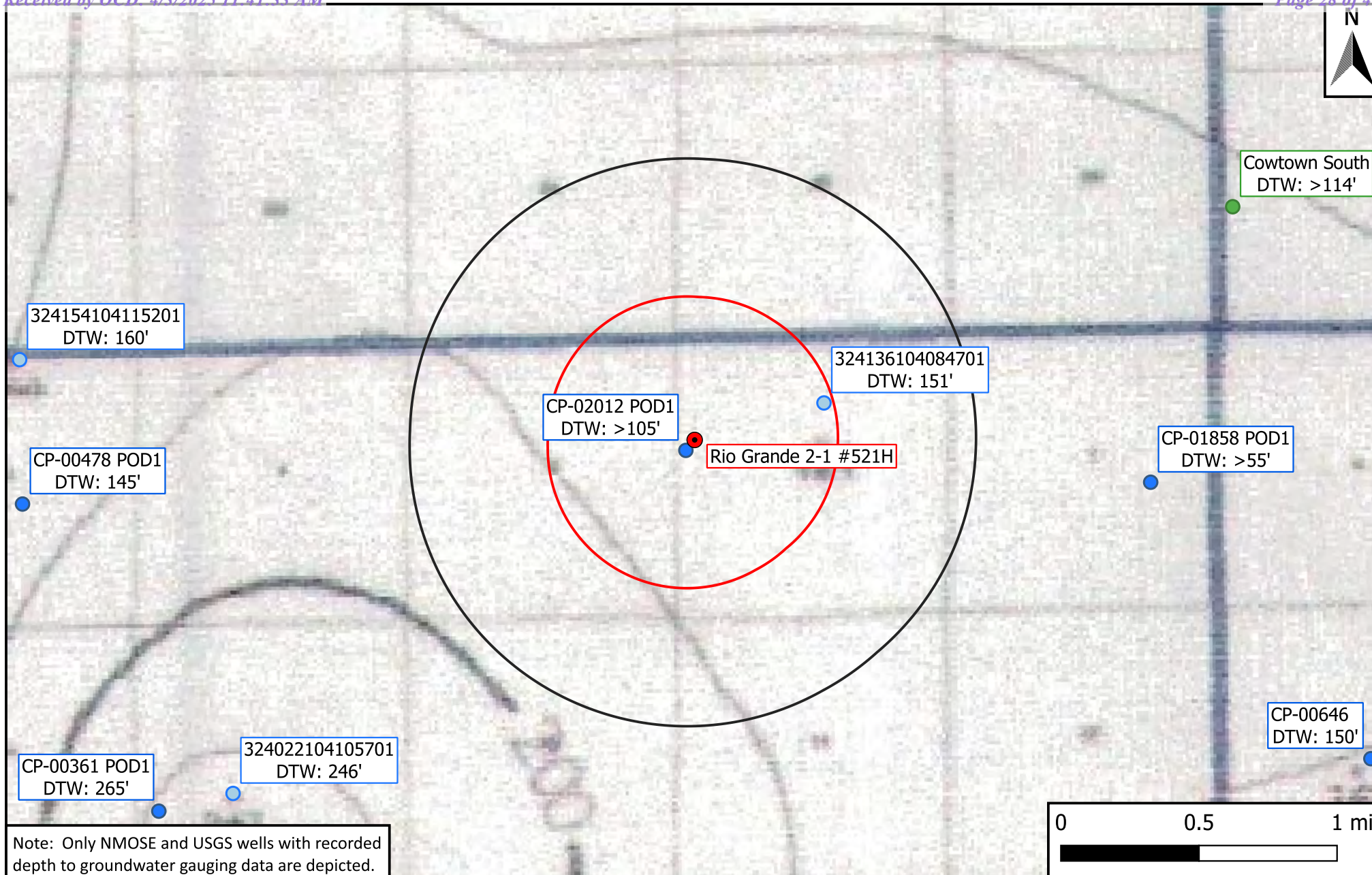
Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria and NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Appendix A

Depth to Groundwater Information



Legend

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- 0.5-Mile Radius
- 1-Mile Radius

Figure 4

Inferred Depth to Groundwater Map
 Mewbourne Oil Company
 Rio Grande 2-1 #521H
 GPS: 32.69156, -104.15495
 Eddy County, New Mexico


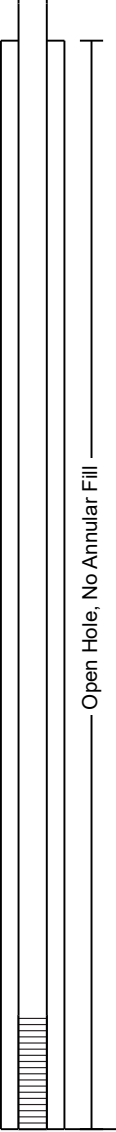























Drafted: bja

Checked: rlc

Date: 3/27/25

Soil Boring/Temporary Monitor Well BH-1

Company: Mewbourne Oil Company Site: Rio Grande 2-1 #521H NMOCD Reference #: nAPP2418546373 Location: Eddy Co., NM PLSS: U/L "D", Sec. 2, T19S, R28E			Well/Borehole ID: BH-1 Coordinates (NAD 83): 32.691014,-104.155503 Drilling Date: 8/9/2024 Depth of Boring (ft): 105 Depth to Groundwater (ft): >105 Plugging Date: 8/14/2024			Drilling Company: H&R Enterprises, LLC Driller: Jim Hawley Drilling Method: Air Rotary Logged By: Jim Hawley Drafted By: Ben J. Arguijo Draft Date: 8/16/2024		
Completion: N/A			Casing: 2" PVC			Screen: 0.020" Slotted		
Comments: The borehole was on the production pad for the Rio Grande State Com #521H well.								
Depth (ft)	Groundwater	Lithology	Material Description	Petroleum Odor	Petroleum Stain	PID Reading	Well Construction	
0			White caliche	N	N	-	 — Open Hole, No Annular Fill	
5			Tan sandy caliche	N	N	-		
10			Tan sand	N	N	-		
15			Red dry clay	N	N	-		
20			Red dry clay	N	N	-		
25			Red dry clay	N	N	-		
30			Red dry clay	N	N	-		
35			Red dry clay	N	N	-		
40			Red dry clay	N	N	-		
45			Red dry clay	N	N	-		
50			Grayish tan clay	N	N	-		
55			Grayish tan clay	N	N	-		
60			Red dry clay	N	N	-		
65			Red dry clay	N	N	-		
70			Red dry clay	N	N	-		
75			Red dry clay	N	N	-		
80			Red dry clay	N	N	-		
85			Red dry clay	N	N	-		
90			Red dry clay	N	N	-		
95			Red dry clay	N	N	-		
100			Red dry clay	N	N	-		
105			Red dry clay	N	N	-		
110			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual. • The exploratory soil boring was left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment.					

Disclaimer This bore log is intended for environmental not geotechnical purposes.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S). CP-2012			
	WELL OWNER NAME(S) Mewbourne Oil Co.				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 4801 Business Park Blvd.				CITY Hobbs	STATE NM	ZIP 88241	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 41	SECONDS 27.65	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	-104	09	19.81	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SENE S-2 T19S R28E								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 8/9/24	DRILLING ENDED 8/9/24	DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A Dry hole			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		DATE STATIC MEASURED 8/15/24	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) No casing left in hole	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below) N/A no casing left in hole	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

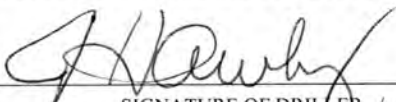
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	white caliche	Y ✓ N	
	5	10	5	tan sandy caliche	Y ✓ N	
	10-	15	5	tan sand	Y ✓ N	
	15	50	35	red dry clay	Y ✓ N	
	50	60	10	grayish tan clay	Y ✓ N	
	60	105	45	red dry clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: N/A					TOTAL ESTIMATED WELL YIELD (gpm):	

5. TEST, RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION: Well was drilled on 8/9/24, no water was encountered, well was gauged with a well sounder on 8/14/24, no water was found, casing was pulled and well was plugged in accordance with the approved plugging plan.
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley 8/15/24 DATE

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



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[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 =

- 324136104084701

Minimum number of levels = 1

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

USGS 324136104084701 19S.28E.02.23312

Eddy County, New Mexico

Latitude 32°41'36", Longitude 104°08'47" NAD27

Land-surface elevation 3,452 feet above NAVD88

The depth of the well is 160 feet below land surface.

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1948-12-13		D	72019	128.27			P	Z			A
1968-04-02		D	72019	153.84			1	Z			A
1976-12-09		D	72019	154.14			1	Z			A
1983-01-11		D	72019	151.35			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Appendix B

Field Data



Sample Log

Date: _____

Project: Rio Grande State Com 521H

Project Number: 20815 Latitude: 32.69156 Longitude: -104.15495

Sample ID	PID/Odor	Chloride Conc.	GPS
UW1	NO	284	
NW1	-	220	
SW1	-	352	
EW1	-	352	
FL-1 @1'	-	1,680	
FL-2 @1'	little	1,276	
FL-3 @1'	-	1,680	
FL-4 @1'	-	2,584	
FL-5 @1'	-	884	
FL-6 @1'	-	1,416	
FL-7 @1'	-	1,728	
FL-8 @1'	-	2,456	
FL-9 @1'	-	1,276	
FL-10 @1'	-	1,680	
FL-11 @1'	-	1,416	
FL-12 @1'	-	2,456	
FL-13 @1'	-	3,888	
FL-14 @1'	-	2,456	
FL-15 @1'	-	2,136	
FL-16 @1'	-	4,540	
FL-17 @1'	-	1,728	
FL-18 @1'	-	2,564	
FL-19 @1'	-	3,048	
FL-20 @1'	-	580	
FL-21 @1'	-	2,136	
FL-22 @1'	-	3,048	
FL-23 @1'	-	3,048	
FL-24 @1'	-	1,416	
FL-25 @1'	-	2,456	
FL-26 @1'	-	2,800	
FL-27 @1'	-	1,416	
FL-28 @1'	-	9,752	
FL-29 @1'	-	4,540	
FL-30 @1'	-	480	
FL-31 @1'	-	3,048	
FL-32 @1'	-	1,104	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Rio Grande State Com 521H

Project Number: 20815 Latitude: 32.69156 Longitude: -104.15495

Sample ID	PID/Odor	Chloride Conc.	GPS
WW-1A	-	752	
NW-1A	-	976	
EW-1A			
SW-1A	-	316	
FL-33 @ 6"	-	5,704	
FL-34 @ 6"	-	3,588	
FL-35 @ 6"	-	2,344	
FL-36 @ 6"	-	3,048	
FL-37 @ 6"	-	4,540	
FL-38 @ 6"	-	9,008	
FL-39 @ 6"	-	5,288	
FL-40 @ 6"	-	1,928	
FL-41 @ 6"	-	1,108	
FL-42 @ 6"	-	1,108	
FL-43 @ 6"	-	2,136	
FL-44 @ 6"	-	5,704	
FL-45 @ 6"	-	1,464	
FL-46 @ 6"	-	3,048	
FL-47 @ 6"	-	5,288	
FL-48 @ 6"	-	4,540	
FL-49 @ 6"	-	4,540	
FL-50 @ 6"	-	3,888	
FL-51 @ 6"	-	5,704	
FL-52 @ 6"	-	2,344	
FL-53 @ 6"	-	4,540	
FL-54 @ 6"	-	3,048	
FL-55 @ 6"	-	3,048	
FL-56 @ 6"	-	1,464	
FL-57 @ 6"	-	5,704	
FL-58 @ 6"	-	1,204	
FL-59 @ 6"	-	1,940	
FL-60 @ 6"	-	1,928	
FL-61 @ 6"	-	2,744	
FL-62 @ 6"	-	1,108	
FL-63 @ 6"	-	1,464	
FL-64 @ 6"	-	1,108	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-65 @L"	—	3,308	
FL-66 @L"	—	4,204	
FL-67 @L"	—	1,116	
FL-68 @L"	—	1,416	
FL-69 @L"	—	2,136	
FL-70 @L"	—	4,628	
FL-71 @L"	—	5,704	
FL-72 @L"	—	4,540	
FL-73 @L"	—	3,888	
FL-74 @L"	—	3,308	
FL-75 @L"	—	2,564	
FL-76 @L"	—	1,940	
FL-77 @L"	—	1,116	
FL-78 @L"	—	3,888	
FL-79 @L"	—	5,704	
FL-80 @L"	—	2,564	
FL-81 @L"	—	5,288	
FL-82 @L"	—	2,564	
FL-83 @L"	—	4,204	
FL-84 @L"	—	2,136	
FL-85 @L"	—	4,628	
FL-86 @L"	—	4,540	
FL-87 @L"	—	4,204	
FL-88 @L"	—	4,204	
FL-89 @L"	—	1,116	
FL-90 @L"	—	4,240	
FL-91 @L"	—	5,288	
FL-92 @L"	—	3,888	
FL-93 @L"	—	2,564	
FL-94 @L"	—	2,136	
FL-95 @L"	—	4,540	
FL-96 @L"	—	3,888	
FL-97 @L"	—	3,308	
FL-98 @L"	—	2,136	
FL-99 @L"	—	4,204	
FL-100 @L"	—	3,308	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-101 @L"	—	1,116	
FL-102 @L"	—	1,940	
FL-103 @L"	—	2,564	
FL-104 @L"	—	3,308	
FL-105 @L"	—	5,804	
FL-106 @L"	—	4,204	
FL-107 @L"	—	5,288	
FL-108 @L"	—	2,564	
FL-109 @L"	—	2,136	
FL-110 @L"	—	1,416	
FL-111 @L"	—	1,116	
FL-112 @L"	—	4,204	
FL-113 @L"	—	3,308	
FL-114 @L"	—	1,680	
FL-115 @L"	—	1,468	
FL-116 @L"	—	2,456	
FL-117 @L"	—	2,344	
FL-118 @L"	—	2,136	
FL-119 @L"	—	4,540	
FL-120 @L"	—	1,728	
FL-121 @L"	—	2,136	
FL-122 @L"	—	1,464	
FL-123 @L"	—	2,800	
FL-124 @L"	—	1,916	
FL-125 @L"	—	9,752	
FL-126 @L"	—	4,80	
FL-127 @L"	—	3,048	
FL-128 @L"	—	1,104	
FL-129 @L"	—	1,480	
FL-130 @L"	—	1,296	
FL-131 @L"	—	1,680	
FL-132 @L"	—	2,584	
FL-133 @L"	—	884	
FL-134 @L"	—	1,464	
FL-135 @L"	—	880	
FL-136 @L"	—	1,728	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
13706"	-	1,728	
FL-13806"	-	2,136	
FL-13906"	-	4,628	
FL-14006"	-	3,888	
FL-14106"	-	3,308	
FL-14206"	-	2,564	
FL-14306"	-	2,204	
FL-14406"	-	2,564	
FL-14506"	-	4,204	
FL-14606"	-	4,590	
FL-14706"	-	4,204	
FL-14806"	-	584	
FL-14906"	-	2,136	
FL-15006"	-	1,116	
FL-15106"	-	2,456	
FL-15206"	-	2,136	
FL-15306"	-	1,172	
FL-15406"	-	1,728	
FL-15506"	-	2,864	
FL-15606"	-	580	
FL-15706"	-	1,680	
FL-15806"	-	3,888	
FL-15906"	-	3,888	
FL-16006"	-	1,116	
FL-16106"	-	2,564	
FL-16206"	-	2,136	
FL-16306"	-	4,204	
FL-16406"	-	3,704	
FL-16506"	-	3,048	
FL-16606"	-	2,800	
FL-16706"	-	1,104	
FL-16806"	-	1,116	
FL-16906"	-	2,456	
FL-17006"	-	1,044	
FL-17106"	-	2,800	
FL-17206"	-	2,800	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

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

[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



Sample Log

Date: _____

Project: Rio Grande State Com 521H

Project Number: 20815 Latitude: 32.69156 Longitude: -104.15495

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-3@1.5'	-	296	
FL-4@1.5'	-	292	
FL-5@1.5'	-	228	
FL-6@1.5'	-	332	
FL-7@1.5'	-	332	
FL-8@1.5'	-	500	
FL-10@1.5'	-	548	
FL-11@1.5'	-	412	
FL-12@1.5'	-	412	
FL-13@1.5'	-	500	
FL-14@1.5'	-	368	
FL-15@1.5'	-	168	
FL-16@1.5'	-	228	
FL-17@1.5'	-	168	
FL-18@1.5'	-	456	
FL-19@1.5'	-	456	
FL-21@1.5'	-	368	
FL-22@1.5'	-	332	
FL-23@1.5'	-	548	
FL-24@1.5'	-	412	
FL-25@1.5'	-	368	
FL-26@1.5'	-	228	
FL-27@1.5'	-	368	
FL-29@1.5'	-	332	
FL-30@1.5'	-	500	
FL-31@1.5'	-	412	
FL-32@1.5'	-	332	
FL- 33 48@1'	-	296	
FL-55@1.5'	-	412	
FL-57@1'	-	368	
FL-58@1'	-	196	
FL-60@1'	-	168	
FL-61@1'	-	228	
FL-62@1'	-	500	
FL-63@1'	-	412	
FL-64@1'	-	332	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Rio Grande State Com 521H

Project Number: 20815 Latitude: 32.69156 Longitude: -104.15495

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-65@1'	-	468	
FL-66@1'	-	296	
FL-67@1'	-	296	
FL-68@1'	-	260	
FL-69@1'	-	368	
FL-70@1'	-	368	
FL-71@1'	-	260	
FL-72@1'	-	196	
FL-73@1'	-	228	
FL-74@1'	-	332	
FL-79@1'	-	368	
FL-180@1'	-	412	
FL-181@1'	-	412	
FL-182@1'	-	368	
FL-24@2'		260	
FL-25@2'		332	
FL-26@2'		296	
FL-27@2'		368	
FL-29@2'		412	
FL-30@2'		412	
FL-31@2'		500	
FL-32@2'		456	
FL-48@2'		260	
FL-55@2'		228	
FL-57@1.5'		332	
FL-58@1.5'		228	
FL-66@1.5'		548	
FL-67@1.5'		500	
FL-68@1.5'		412	
FL-69@1.5'		368	
FL-70@1.5'		296	
FL-71@1.5'		168	
FL-73@1.5'		116	
FL-74@1.5'		260	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C

Photographic Log

Photographic Log

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

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

Photographic Log


Photo Number: 3	 <p>21 Jun 24 14:59 MOC, Rio Grande 211 52th Artesia NM 88210, United States © 21 Jun 24 14:59:19</p>
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photo Number: 4	 <p>21 Jun 24 14:59 MOC, Rio Grande 211 52th Artesia NM 88210, United States © 21 Jun 24 14:59:29</p>
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	 <p>21Jun24 15:18 MOC Rio Grande 2/1 521h Artesia NM 88210, United States © 21-Jun-24 15:18:49</p>
Photo Direction: Northwest	
Photo Description: View of the affected area.	

Photo Number: 6	 <p>21Jun24 15:21 MOC Rio Grande 2/1 521h Artesia NM 88210, United States © 21-Jun-24 15:21:36</p>
Photo Direction: North-Northwest	
Photo Description: View of the affected area.	

Photographic Log



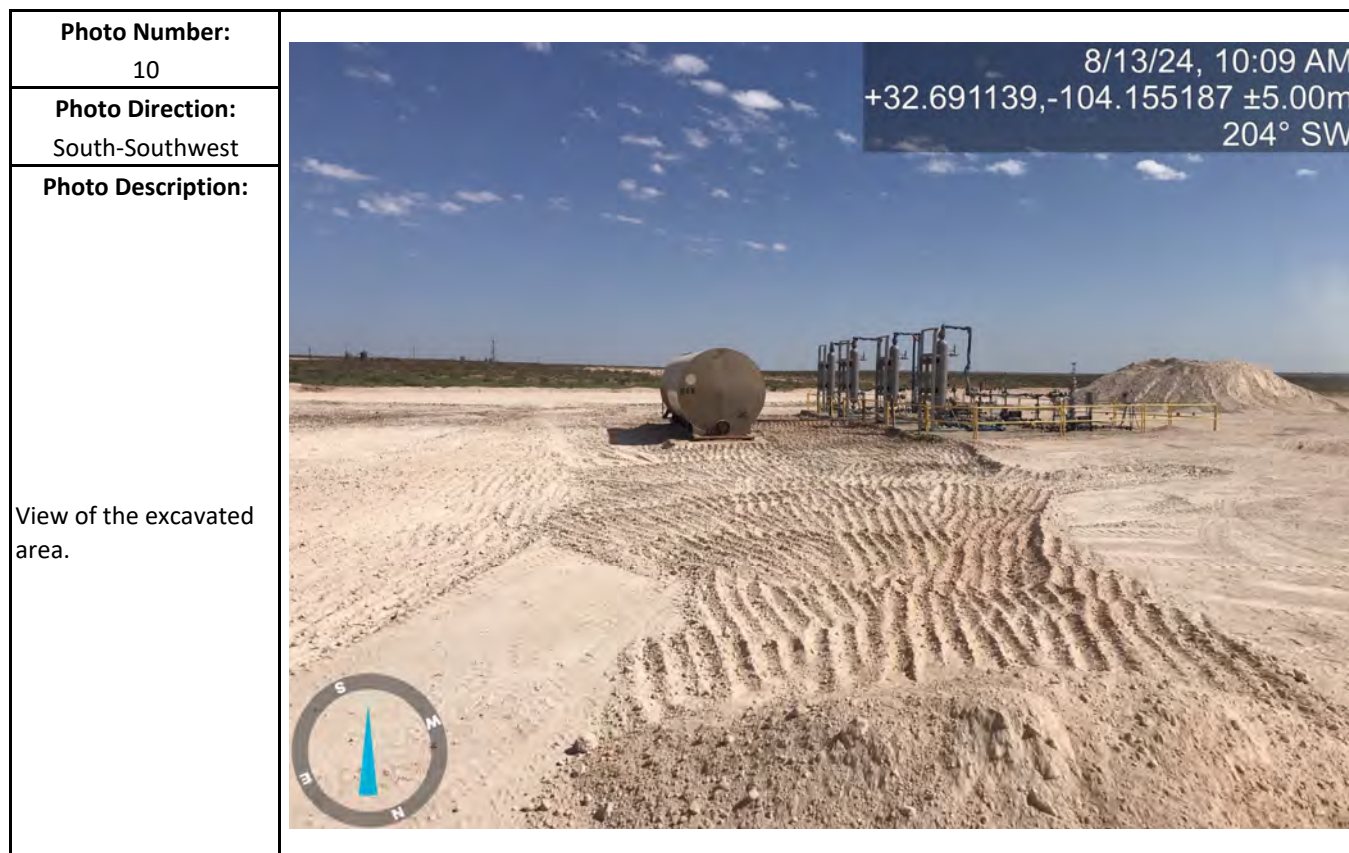
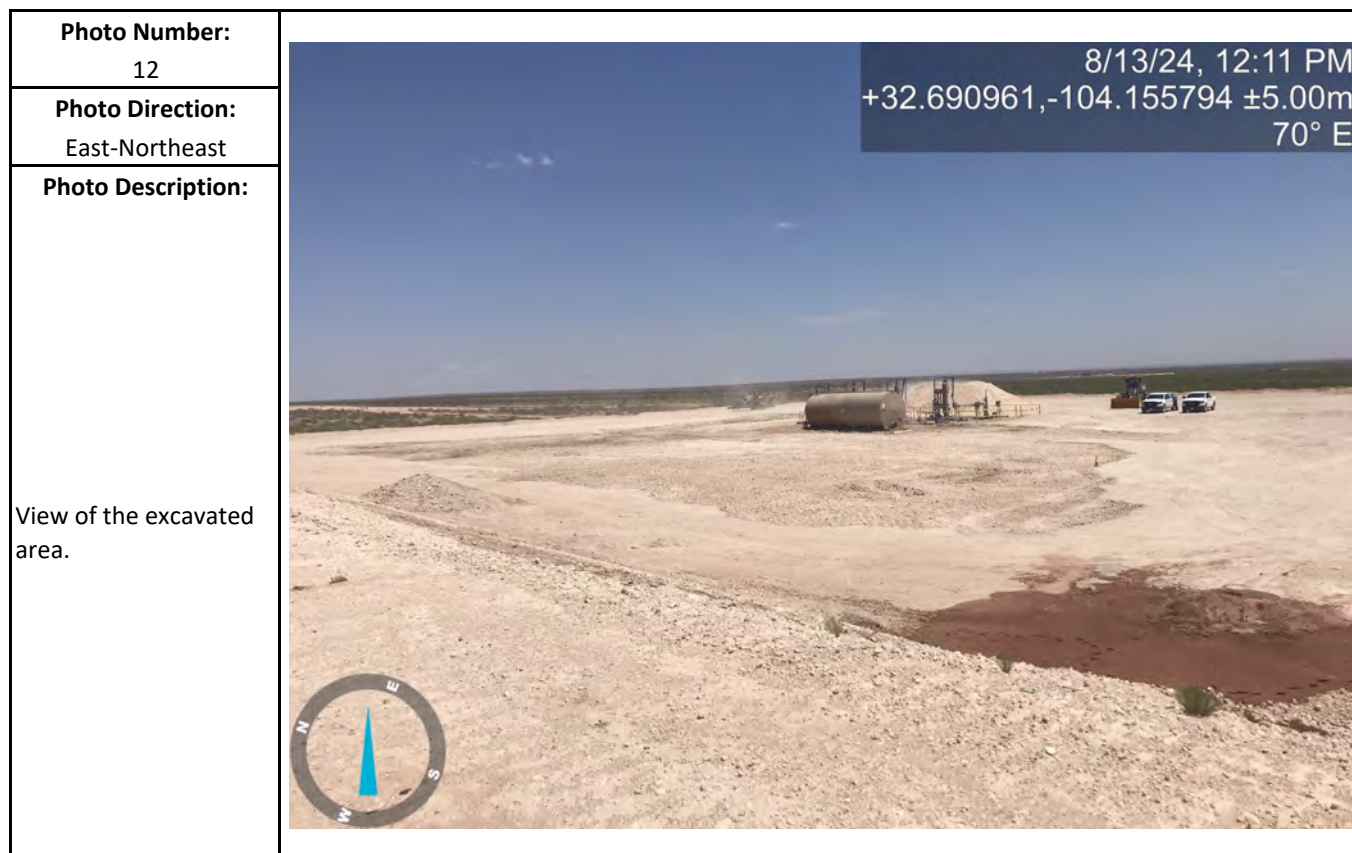
Photo Number: 7	 <p>8/12/24, 12:03 PM +32.691676,-104.155122 ±10.00m 221° SW</p>
Photo Direction: Southwest	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>8/12/24, 12:03 PM +32.691676,-104.155122 ±10.00m 220° SW</p>
Photo Direction: Southwest	
Photo Description: View of the excavated area.	

Photographic Log



Photographic Log



Photographic Log



Photo Number: 13	 <p>Sep 5, 2024 at 10:38:36 AM +32.691591,-104.154465 Artesia NM 88210 United States</p>
Photo Direction: Northwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 14	 <p>Sep 5, 2024 at 10:39:26 AM +32.691702,-104.154453 Artesia NM 88210 United States</p>
Photo Direction: West	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log


Photo Number: 15	 <p>Sep 5, 2024 at 10:41:20 AM +32.692094,-104.154954 Artesia NM 88210 United States</p>
Photo Direction: South-Southwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 16	 <p>Sep 5, 2024 at 10:41:25 AM +32.692094,-104.154954 Artesia NM 88210 United States</p>
Photo Direction: Southwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log




Photo Number: 17	 <p>Sep 5, 2024 at 10:42:30 AM +32.692066,-104.155198 Artesia NM 88210 United States</p>
Photo Direction: South	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 18	 <p>Sep 5, 2024 at 10:44:21 AM +32.691004,-104.155365 Artesia NM 88210 United States</p>
Photo Direction: South	
Photo Description: View of the remediated area following backfilling and regrading.	


Photographic Log

Photo Number: 19	<div><div>Feb 12, 2025 at 9:33:05 AM +32.691313,-104.155047 321° NW Altitude:1062.2meter Speed:0.0km/h</div></div>
Photo Direction: Northwest	
Photo Description: View of the reexcavated area.	

Photo Number: 20	<div><div>Feb 12, 2025 at 9:34:09 AM +32.691258,-104.155522 86° E Altitude:1062.5meter Speed:1.8km/h</div></div>
Photo Direction: East	
Photo Description: View of the reexcavated area.	

Photographic Log

Photo Number: 21	
Photo Direction: North-Northeast	
Photo Description: View of the reexcavated area.	

Photo Number: 22	
Photo Direction: Northeast	
Photo Description: View of the reexcavated area.	

Photographic Log

Photo Number: 23	<div><div>Feb 12, 2025 at 10:00:27 AM +32.691583,-104.155492 18° N Altitude:1061.5meter Speed:3.7km/h</div></div>
Photo Direction: North-Northeast	
Photo Description: View of the reexcavated area.	

Photo Number: 24	<div><div>Feb 12, 2025 at 10:01:02 AM +32.691963,-104.155500 133° SE Altitude:1060.8meter Speed:4.5km/h</div></div>
Photo Direction: Southeast	
Photo Description: View of the reexcavated area.	

Photographic Log




Photo Number: 25	<div>Feb 12, 2025 at 12:43:06 PM 203° SW Altitude:1061.0meter Speed:0.0km/h</div> 
Photo Direction: South-Southwest	
Photo Description: View of the reexcavated area.	

Photo Number: 26	<div>Feb 18, 2025 at 3:00:43 PM +32.606084, -103.885108 24° NE Altitude:1107.1meter</div> 
Photo Direction: North-Northeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log

Photo Number: 27	
Photo Direction: Northeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 28	
Photo Direction: East-Southeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Appendix D

Laboratory Analytical Reports



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

August 14, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/13/24 8:18.

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 "Coley 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: 08/13/2024
 Reported: 08/14/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 1 @ 6" (H244864-01)

BTX 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	08/14/2024	ND	2.01	101	2.00	0.523	
Toluene*	<0.050	0.050	08/14/2024	ND	2.00	100	2.00	1.73	
Ethylbenzene*	0.391	0.050	08/14/2024	ND	2.04	102	2.00	2.30	
Total Xylenes*	1.58	0.150	08/14/2024	ND	6.00	100	6.00	2.41	
Total BTX	1.97	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 198 % 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	896	16.0	08/13/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	306	50.0	08/13/2024	ND	232	116	200	0.185	
DRO >C10-C28*	14700	50.0	08/13/2024	ND	215	107	200	0.393	
EXT DRO >C28-C36	2230	50.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 179 % 48.2-134

Surrogate: 1-Chlorooctadecane 273 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2024
 Reported: 08/14/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 2 @ 6" (H244864-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/13/2024	ND	2.01	101	2.00	0.523	
Toluene*	3.62	0.500	08/13/2024	ND	2.00	100	2.00	1.73	
Ethylbenzene*	10.6	0.500	08/13/2024	ND	2.04	102	2.00	2.30	
Total Xylenes*	34.7	1.50	08/13/2024	ND	6.00	100	6.00	2.41	
Total BTEX	48.9	3.00	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	6720	16.0	08/13/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	850	50.0	08/14/2024	ND	208	104	200	0.181	
DRO >C10-C28*	18200	50.0	08/14/2024	ND	208	104	200	1.63	
EXT DRO >C28-C36	3450	50.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 266 % 48.2-134

Surrogate: 1-Chlorooctadecane 463 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2024
 Reported: 08/14/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 3 @ 6" (H244864-03)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/13/2024	ND	2.01	101	2.00	0.523	
Toluene*	8.75	0.500	08/13/2024	ND	2.00	100	2.00	1.73	
Ethylbenzene*	15.7	0.500	08/13/2024	ND	2.04	102	2.00	2.30	
Total Xylenes*	52.7	1.50	08/13/2024	ND	6.00	100	6.00	2.41	
Total BTEX	77.1	3.00	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 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	2100	16.0	08/13/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1330	50.0	08/14/2024	ND	208	104	200	0.181	QM-07, QR-03
DRO >C10-C28*	17600	50.0	08/14/2024	ND	208	104	200	1.63	QM-07, QR-03
EXT DRO >C28-C36	3280	50.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 166 % 48.2-134

Surrogate: 1-Chlorooctadecane 336 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2024
 Reported: 08/14/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 4 @ 6" (H244864-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2024	ND	2.01	101	2.00	0.523		
Toluene*	<0.050	0.050	08/13/2024	ND	2.00	100	2.00	1.73		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.04	102	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.00	100	6.00	2.41		
Total BTEX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	8080	16.0	08/13/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	208	104	200	0.181	
DRO >C10-C28*	751	10.0	08/13/2024	ND	208	104	200	1.63	
EXT DRO >C28-C36	339	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2024
 Reported: 08/14/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 5 @ 6" (H244864-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2024	ND	2.01	101	2.00	0.523		
Toluene*	<0.050	0.050	08/13/2024	ND	2.00	100	2.00	1.73		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.04	102	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.00	100	6.00	2.41		
Total BTEX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	8160	16.0	08/13/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	208	104	200	0.181	
DRO >C10-C28*	935	10.0	08/13/2024	ND	208	104	200	1.63	
EXT DRO >C28-C36	449	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 166 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2024
 Reported: 08/14/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 6 @ 1' (H244864-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2024	ND	2.01	101	2.00	0.523		
Toluene*	<0.050	0.050	08/13/2024	ND	2.00	100	2.00	1.73		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.04	102	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.00	100	6.00	2.41		
Total BTEx	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16800	16.0	08/13/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2024	ND	208	104	200	0.181	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2024
 Reported: 08/14/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/12/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 7 @ 1' (H244864-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2024	ND	2.01	101	2.00	0.523		
Toluene*	<0.050	0.050	08/13/2024	ND	2.00	100	2.00	1.73		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.04	102	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.00	100	6.00	2.41		
Total BTEx	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15400	16.0	08/13/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	208	104	200	0.181	
DRO >C10-C28*	<10.0	10.0	08/14/2024	ND	208	104	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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

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: SEE COMMENTS															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: 20815 Project Owner: Mewbourne				City:															
Project Name: Rio Grande State Com 521H				State: Zip:															
Project Location: 32.69156, -104.15495				Phone #:															
Sampler Name: Martin Sepulveda				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					
1		SP 1 @ 6"		G 1				X				X		8/12/24					
2		SP 2 @ 6"		G 1				X				X		8/12/24					
3		SP 3 @ 6"		G 1				X				X		8/12/24					
4		SP 4 @ 6"		G 1				X				X		8/12/24					
5		SP 5 @ 6"		G 1				X				X		8/12/24					
6		SP 6 @ 1'		G 1				X				X		8/12/24					
7		SP 7 @ 1'		G 1				X				X		8/12/24					

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Relinquished By:		Date: 8-13-24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: 8:18		Received By:		All Results are emailed. Please provide Email address: pm@etechev.com	
Delivered By: (Circle One)		Observed Temp. °C -4.9		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		REMARKS: RUSH SAMPLES - 24 H	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -5.5		CHECKED BY: (Initials) AR		Bill analytical to Mewbourne c/o Connor Walker and rush charges to Etech c/o Lance Crenshaw	
						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 <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	



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

August 15, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/24 8:21.

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: 08/14/2024
 Reported: 08/15/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW 1 (H244899-01)

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	08/15/2024	ND	2.27	114	2.00	0.840	
Toluene*	<0.050	0.050	08/15/2024	ND	2.34	117	2.00	0.395	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.43	122	2.00	0.218	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	7.21	120	6.00	0.118	
Total BTX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	08/14/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.3	200	5.56	
DRO >C10-C28*	420	10.0	08/14/2024	ND	201	101	200	8.18	
EXT DRO >C28-C36	63.3	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/14/2024
 Reported: 08/15/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 1 (H244899-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.27	114	2.00	0.840	
Toluene*	<0.050	0.050	08/15/2024	ND	2.34	117	2.00	0.395	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.43	122	2.00	0.218	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	7.21	120	6.00	0.118	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	416	16.0	08/14/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.3	200	5.56	
DRO >C10-C28*	443	10.0	08/14/2024	ND	201	101	200	8.18	
EXT DRO >C28-C36	55.2	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/14/2024
 Reported: 08/15/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 1 (H244899-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.27	114	2.00	0.840	
Toluene*	<0.050	0.050	08/15/2024	ND	2.34	117	2.00	0.395	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.43	122	2.00	0.218	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	7.21	120	6.00	0.118	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/14/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2024	ND	195	97.3	200	5.56	
DRO >C10-C28*	356	10.0	08/14/2024	ND	201	101	200	8.18	
EXT DRO >C28-C36	49.4	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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

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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

[illegible]

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Relinquished By: 		Date: 8-14-21 Time: 8:21		Received By: 		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 H	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: -2.7 Corrected Temp. °C: -3.3		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		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"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	
				Thermometer ID #140 Correction Factor -0.6°C			



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

August 21, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/15/24 8:32.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 1 @ 1' (H244935-01)

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	08/15/2024	ND	2.40	120	2.00	5.17	
Toluene*	<0.050	0.050	08/15/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	0.051	0.050	08/15/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	0.211	0.150	08/15/2024	ND	6.10	102	6.00	8.54	
Total BTX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	08/19/2024	ND	448	112	400	3.64	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	211	10.0	08/15/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	24.5	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 64.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 2617 W MARLAND
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Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 2 @ 1' (H244935-02)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	08/16/2024	ND	2.40	120	2.00	5.17	
Toluene*	9.54	0.100	08/16/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	13.6	0.100	08/16/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	33.1	0.300	08/16/2024	ND	6.10	102	6.00	8.54	
Total BTEX	56.2	0.600	08/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 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	1020	16.0	08/19/2024	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*	437	10.0	08/16/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	2670	10.0	08/16/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	379	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 2617 W MARLAND
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 Fax To:

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 3 @ 1' (H244935-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17		
Toluene*	<0.050	0.050	08/16/2024	ND	2.04	102	2.00	5.60		
Ethylbenzene*	0.063	0.050	08/16/2024	ND	2.01	101	2.00	8.51		
Total Xylenes*	0.286	0.150	08/16/2024	ND	6.10	102	6.00	8.54		
Total BTEX	0.349	0.300	08/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	2680	16.0	08/19/2024	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	08/16/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	159	10.0	08/16/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	36.2	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 2617 W MARLAND
 HOBBS NM, 88240
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Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 4 @ 1' (H244935-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17	
Toluene*	0.934	0.050	08/16/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	2.33	0.050	08/16/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	6.51	0.150	08/16/2024	ND	6.10	102	6.00	8.54	
Total BTEX	9.77	0.300	08/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	3000	16.0	08/19/2024	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*	51.0	10.0	08/16/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	902	10.0	08/16/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	105	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 5 @ 1' (H244935-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17	
Toluene*	<0.050	0.050	08/15/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.10	102	6.00	8.54	
Total BTEX	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	08/19/2024	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	08/16/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	11.5	10.0	08/16/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 6 @ 1' (H244935-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17	
Toluene*	0.054	0.050	08/15/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	0.231	0.050	08/15/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	0.922	0.150	08/15/2024	ND	6.10	102	6.00	8.54	
Total BTEX	1.21	0.300	08/15/2024	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	2240	16.0	08/19/2024	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*	12.4	10.0	08/16/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	232	10.0	08/16/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	25.1	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 7 @ 1' (H244935-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17		
Toluene*	<0.050	0.050	08/15/2024	ND	2.04	102	2.00	5.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.01	101	2.00	8.51		
Total Xylenes*	0.219	0.150	08/15/2024	ND	6.10	102	6.00	8.54		
Total BTEX	<0.300	0.300	08/15/2024	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	2360	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	118	10.0	08/16/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 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: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 8 @ 1' (H244935-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17		
Toluene*	<0.050	0.050	08/15/2024	ND	2.04	102	2.00	5.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.01	101	2.00	8.51		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.10	102	6.00	8.54		
Total BTEX	<0.300	0.300	08/15/2024	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	2520	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2024	ND	198	99.2	200	2.03	
DRO >C10-C28*	154	10.0	08/16/2024	ND	207	104	200	2.86	
EXT DRO >C28-C36	13.2	10.0	08/16/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 9 @ 1' (H244935-09)

BTEx 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17	
Toluene*	0.202	0.050	08/15/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	0.619	0.050	08/15/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	2.24	0.150	08/15/2024	ND	6.10	102	6.00	8.54	
Total BTEX	3.06	0.300	08/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	08/16/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	57.4	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	967	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	171	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 10 @ 1' (H244935-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17	
Toluene*	<0.050	0.050	08/15/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	0.063	0.050	08/15/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	0.331	0.150	08/15/2024	ND	6.10	102	6.00	8.54	
Total BTEX	0.394	0.300	08/15/2024	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	1880	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	299	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	66.6	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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 HOBBS NM, 88240
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Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 11 @ 1' (H244935-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17		
Toluene*	<0.050	0.050	08/15/2024	ND	2.04	102	2.00	5.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.01	101	2.00	8.51		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.10	102	6.00	8.54		
Total BTEX	<0.300	0.300	08/15/2024	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	1060	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	21.2	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 12 @ 1' (H244935-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2024	ND	2.40	120	2.00	5.17		
Toluene*	<0.050	0.050	08/15/2024	ND	2.04	102	2.00	5.60		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.01	101	2.00	8.51		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.10	102	6.00	8.54		
Total BTEX	<0.300	0.300	08/15/2024	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	2920	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	258	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	44.4	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 13 @ 1' (H244935-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17		
Toluene*	<0.050	0.050	08/16/2024	ND	2.04	102	2.00	5.60		
Ethylbenzene*	<0.050	0.050	08/16/2024	ND	2.01	101	2.00	8.51		
Total Xylenes*	<0.150	0.150	08/16/2024	ND	6.10	102	6.00	8.54		
Total BTEX	<0.300	0.300	08/16/2024	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	2880	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	124	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	15.7	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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 HOBBS NM, 88240
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Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 14 @ 1' (H244935-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17	
Toluene*	<0.050	0.050	08/16/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	<0.050	0.050	08/16/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	<0.150	0.150	08/16/2024	ND	6.10	102	6.00	8.54	
Total BTEX	<0.300	0.300	08/16/2024	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	2120	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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 Fax To:

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 15 @ 1' (H244935-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17	
Toluene*	0.056	0.050	08/16/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	0.255	0.050	08/16/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	0.942	0.150	08/16/2024	ND	6.10	102	6.00	8.54	
Total BTEX	1.25	0.300	08/16/2024	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	2320	16.0	08/16/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.3	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	422	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	78.7	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 16 @ 1' (H244935-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17	
Toluene*	<0.050	0.050	08/16/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	<0.050	0.050	08/16/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	<0.150	0.150	08/16/2024	ND	6.10	102	6.00	8.54	
Total BTEX	<0.300	0.300	08/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	2200	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	82.2	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	15.4	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 17 @ 1' (H244935-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17	
Toluene*	<0.050	0.050	08/16/2024	ND	2.04	102	2.00	5.60	
Ethylbenzene*	<0.050	0.050	08/16/2024	ND	2.01	101	2.00	8.51	
Total Xylenes*	<0.150	0.150	08/16/2024	ND	6.10	102	6.00	8.54	
Total BTEX	<0.300	0.300	08/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	2000	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	116	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	16.8	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 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: 08/15/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 18 @ 1' (H244935-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2024	ND	2.40	120	2.00	5.17		
Toluene*	<0.050	0.050	08/16/2024	ND	2.04	102	2.00	5.60		
Ethylbenzene*	<0.050	0.050	08/16/2024	ND	2.01	101	2.00	8.51		
Total Xylenes*	<0.150	0.150	08/16/2024	ND	6.10	102	6.00	8.54		
Total BTEX	<0.300	0.300	08/16/2024	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	2160	16.0	08/16/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2024	ND	222	111	200	7.14	
DRO >C10-C28*	<10.0	10.0	08/15/2024	ND	214	107	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	08/15/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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 21 of 22

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: Etech															
City: Hobbs State: NM Zip: 88240										Attn: Lance Crenshaw															
Phone #: (575) 264-9884 Fax #:										Address:															
Project #: 20815 Project Owner: Mewbourne										City:															
Project Name: Rio Grande State Com 521H										State: Zip:															
Project Location: 32.69156, -104.15495										Phone #:															
Sampler Name: Martin Sepulveda										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											
H204935				C		1		X		X		8/14/24				X X X									
1		FL 1 @ 1'		C		1		X		X		8/14/24				X X X									
2		FL 2 @ 1'		C		1		X		X		8/14/24				X X X									
3		FL 3 @ 1'		C		1		X		X		8/14/24				X X X									
4		FL 4 @ 1'		C		1		X		X		8/14/24				X X X									
5		FL 5 @ 1'		C		1		X		X		8/14/24				X X X									
6		FL 6 @ 1'		C		1		X		X		8/14/24				X X X									
7		FL 7 @ 1'		C		1		X		X		8/14/24				X X X									
8		FL 8 @ 1'		C		1		X		X		8/14/24				X X X									
9		FL 9 @ 1'		C		1		X		X		8/14/24				X X X									
10		FL 10 @ 1'		C		1		X		X		8/14/24				X X X									

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Relinquished By:		Date: 8-15-24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 8:32		Time: 8:32		All Results are emailed. Please provide Email address: pm@etechenv.com			
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:					
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		AP	
		-9.3°C		-9.3°C			
		-8.7°C		-8.7°C			
				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition	
				Thermometer ID #140		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				Correction Factor -0.6°C		Observed Temp. °C	
						Corrected Temp. °C	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																							
Address: 2617 West Marland				Company: Etech																																											
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																																											
Phone #: (575) 264-9884 Fax #:				Address:																																											
Project #: 20815 Project Owner: Mewbourne				City:																																											
Project Name: Rio Grande State Com 521H				State: Zip:																																											
Project Location: 32.69156, -104.15495				Phone #:																																											
Sampler Name: Martin Sepulveda				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																			
H2441936																																															
11		FL 11 @ 1'		C 1						X										X		8/14/24								X		X		X													
12		FL 12 @ 1'		C 1						X										X		8/14/24								X		X		X													
13		FL 13 @ 1'		C 1						X										X		8/14/24								X		X		X													
14		FL 14 @ 1'		C 1						X										X		8/14/24								X		X		X													
15		FL 15 @ 1'		C 1						X										X		8/14/24								X		X		X													
16		FL 16 @ 1'		C 1						X										X		8/14/24								X		X		X													
17		FL 17 @ 1'		C 1						X										X		8/14/24								X		X		X													
18		FL 18 @ 1'		C 1						X										X		8/14/24								X		X		X													

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Relinquished By:		Date: 8/15/24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 8:32						All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C: -9.3°C		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -9.9°C				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Thermometer ID #140 Correction Factor -0.6°C	
						Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C: Corrected Temp. °C:	



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

August 21, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/16/24 14:47.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is 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: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 19 @ 1' (H245003-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72		
Total BTEx	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	2880	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2024	ND	211	106	200	6.79	
DRO >C10-C28*	39.5	10.0	08/19/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 20 @ 1' (H245003-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935		
Toluene*	0.110	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358		
Ethylbenzene*	0.370	0.050	08/20/2024	ND	2.00	100	2.00	1.62		
Total Xylenes*	1.46	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72		
Total BTEX	1.94	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	368	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	53.1	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	1770	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	283	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 21 @ 1' (H245003-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	2480	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	79.0	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	13.2	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 22 @ 1' (H245003-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4100	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	66.3	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 23 @ 1' (H245003-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935		
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72		
Total BTEX	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	14.3	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 24 @ 1' (H245003-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.03	102	2.00	0.935	
Toluene*	<0.050	0.050	08/20/2024	ND	1.99	99.5	2.00	0.358	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.00	100	2.00	1.62	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.00	99.9	6.00	1.72	
Total BTEX	<0.300	0.300	08/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	14.8	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 25 @ 1' (H245003-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32	
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422	
Total BTEX	<0.300	0.300	08/20/2024	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	2040	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	73.8	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	12.9	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 26 @ 1' (H245003-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32		
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422		
Total BTEx	<0.300	0.300	08/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	122	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	19.3	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 27 @ 1' (H245003-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32		
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422		
Total BTEX	<0.300	0.300	08/20/2024	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	1440	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 28 @ 1' (H245003-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32	
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422	
Total BTEX	<0.300	0.300	08/20/2024	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	10700	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 29 @ 1' (H245003-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32		
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422		
Total BTEX	<0.300	0.300	08/20/2024	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	5120	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 30 @ 1' (H245003-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32	
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422	
Total BTEx	<0.300	0.300	08/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	624	16.0	08/20/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 31 @ 1' (H245003-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32		
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422		
Total BTEX	<0.300	0.300	08/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	53.8	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	10.6	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 32 @ 1' (H245003-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32	
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308	
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445	
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422	
Total BTEX	<0.300	0.300	08/20/2024	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	912	16.0	08/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	<10.0	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	<10.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW 1A (H245003-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32		
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422		
Total BTEX	<0.300	0.300	08/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	66.2	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	22.0	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 1A (H245003-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32		
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422		
Total BTEX	<0.300	0.300	08/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	63.9	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	21.8	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/16/2024
 Reported: 08/21/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 1A (H245003-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2024	ND	2.10	105	2.00	1.32		
Toluene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.308		
Ethylbenzene*	<0.050	0.050	08/20/2024	ND	2.12	106	2.00	0.445		
Total Xylenes*	<0.150	0.150	08/20/2024	ND	6.58	110	6.00	0.422		
Total BTEX	<0.300	0.300	08/20/2024	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	32.0	16.0	08/21/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/20/2024	ND	211	106	200	6.79	
DRO >C10-C28*	82.6	10.0	08/20/2024	ND	204	102	200	6.18	
EXT DRO >C28-C36	31.1	10.0	08/20/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 20 of 21

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: Etech																							
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 20815 Project Owner: Mewbourne				City:																							
Project Name: Rio Grande State Com 521H				State: Zip:																							
Project Location: 32.69156, -104.15495				Phone #:																							
Sampler Name: Martin Sepulveda				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													
H245003																											
1	FL 19 @ 1'	C	1			X				X			8/15/24		X	X	X										
2	FL 20 @ 1'	C	1			X				X			8/15/24		X	X	X										
3	FL 21 @ 1'	C	1			X				X			8/15/24		X	X	X										
4	FL 22 @ 1'	C	1			X				X			8/15/24		X	X	X										
5	FL 23 @ 1'	C	1			X				X			8/15/24		X	X	X										
6	FL 24 @ 1'	C	1			X				X			8/15/24		X	X	X										
7	FL 25 @ 1'	C	1			X				X			8/15/24		X	X	X										
8	FL 26 @ 1'	C	1			X				X			8/15/24		X	X	X										
9	FL 27 @ 1'	C	1			X				X			8/15/24		X	X	X										
10	FL 28 @ 1'	C	1			X				X			8/15/24		X	X	X										
		C	1			X				X			8/15/24		X	X	X										

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Relinquished By:		Date: 8/16/24	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: 1:47	Received By:		All Results are emailed. Please provide Email address: pm@etechnv.com	
Date:		Time:		REMARKS:		
Delivered By: (Circle One)		Observed Temp. °C: -4.8°C	Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) AP	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush	Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: -5.4°C
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -5.4°C			Thermometer ID #140	Correction Factor -0.6°C

FORM-006 R 3.5 08/05/24

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Lance Crenshaw

Address: 2617 West Marland

City: Hobbs State: NM Zip: 88240

Phone #: (575) 264-9884

Fax #:

Project #: 20815

Project Owner: Mewbourne

Project Name: Rio Grande State Com 521H

Project Location: 32.69156, -104.15495

Sampler Name: Martin Sepulveda

BILL TO

P.O. #:

Company: Etech

Attn: Lance Crenshaw

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G/RAB OR (C)OMP.

CONTAINERS

MATRIX

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

PRESERV.

ACID/BASE:

ICE / COOL

OTHER :

SAMPLING

DATE

TIME

Chloride

TPH (8015M)

BTEX (8021B)

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. 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:

Time:

Date:

Time:

Relinquished By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

☐ Yes ☐ No

CHECKED BY:

(Initials)

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

All Results are emailed. Please provide Email address:

pm@etechenv.com

REMARKS:

Turnaround Time:

Standard

Rush

Thermometer ID #140

Correction Factor -0.6°C

Bacteria (only)

Cool Intact

☐ Yes ☐ No

Sample Condition

Observed Temp. °C

☐ Yes ☐ 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

August 22, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/19/24 14:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 33 @ 0.5' (H245025-01)

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	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTX	<0.300	0.300	08/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	240	16.0	08/21/2024	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	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 34 @ 0.5' (H245025-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/21/2024	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	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	10.5	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 35 @ 0.5' (H245025-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/21/2024	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	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 36 @ 0.5' (H245025-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 37 @ 0.5' (H245025-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTEx	<0.300	0.300	08/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 38 @ 1' (H245025-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTEX	<0.300	0.300	08/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/21/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 39 @ 0.5' (H245025-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/21/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	11.4	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 40 @ 0.5' (H245025-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEx	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 41 @ 1' (H245025-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTEX	<0.300	0.300	08/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 67.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 42 @ 0.5' (H245025-10)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/21/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 43 @ 0.5' (H245025-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	12.9	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 44 @ 0.5' (H245025-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTEX	<0.300	0.300	08/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 45 @ 0.5' (H245025-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 46 @ 0.5' (H245025-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTEX	<0.300	0.300	08/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 47 @ 0.5' (H245025-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/21/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 48 @ 0.5' (H245025-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTEX	<0.300	0.300	08/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 49 @ 0.5' (H245025-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607		
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185		
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306		
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176		
Total BTEx	<0.300	0.300	08/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/21/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/19/2024
 Reported: 08/22/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 50 @ 0.5' (H245025-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2024	ND	1.98	99.1	2.00	0.607	
Toluene*	<0.050	0.050	08/21/2024	ND	1.92	95.8	2.00	0.185	
Ethylbenzene*	<0.050	0.050	08/21/2024	ND	1.93	96.5	2.00	0.00306	
Total Xylenes*	<0.150	0.150	08/21/2024	ND	5.77	96.1	6.00	0.176	
Total BTEX	<0.300	0.300	08/21/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/21/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2024	ND	206	103	200	3.53	
DRO >C10-C28*	<10.0	10.0	08/21/2024	ND	211	106	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	08/21/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Mike Snyder For 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 "Mike Snyder", is written over a horizontal line.

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																											
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																											
Address: 2617 West Marland				Company: Etech																															
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																															
Phone #: (575) 264-9884 Fax #:				Address:																															
Project #: 20815 Project Owner: Mewbourne				City:																															
Project Name: Rio Grande State Com 521H				State: Zip:																															
Project Location: 32.69156, -104.15495				Phone #:																															
Sampler Name: Martin Sepulveda				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																					
H245025																																			
1	FL 33 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		
2	FL 34 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		
3	FL 35 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		
4	FL 36 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		
5	FL 37 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		
6	FL 38 @ 1'	C	1			X				X			8/16/24		X	X	X																		
7	FL 39 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		
8	FL 40 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		
9	FL 41 @ 1'	C	1			X				X			8/16/24		X	X	X																		
10	FL 42 @ 0.5'	C	1			X				X			8/16/24		X	X	X																		

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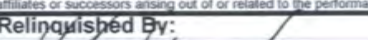
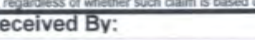

Relinquished By:	Date: 8-19-24 Time: 1445	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address: pm@etechenv.com
	Time:		REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: -8.1°C Corrected Temp. °C: -8.7°C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)
		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
		Thermometer ID #140 Correction Factor -0.6°C	Corrected Temp. °C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 8-19-24		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1445		Time:		All Results are emailed. Please provide Email address: pm@etechenv.com			
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C: 8.16		Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 8.71		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C	
				CHECKED BY: (Initials) 		Thermometer ID #140 Correction Factor -0.6°C	



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

August 26, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/21/24 14:58.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 51 @ 1' (H245101-01)

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	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTX	<0.300	0.300	08/23/2024	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	512	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 52 @ 1' (H245101-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/23/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 53 @ 1' (H245101-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 54 @ 1' (H245101-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 55 @ 1' (H245101-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 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: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 56 @ 0.5' (H245101-06)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/23/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 57 @ 0.5' (H245101-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 58 @ 0.5' (H245101-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 59 @ 0.5' (H245101-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 60 @ 0.5' (H245101-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 61 @ 0.5' (H245101-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 67.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

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Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 62 @ 0.5' (H245101-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 65.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 63 @ 0.5' (H245101-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 64 @ 0.5' (H245101-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 65 @ 0.5' (H245101-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/23/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 66 @ 0.5' (H245101-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	08/23/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 67 @ 0.5' (H245101-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	08/23/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 68 @ 0.5' (H245101-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 69 @ 0.5' (H245101-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04		
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	08/23/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	24.4	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 70 @ 0.5' (H245101-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	08/23/2024	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 71 @ 0.5' (H245101-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	1.85	92.6	2.00	8.04	
Toluene*	<0.050	0.050	08/23/2024	ND	1.81	90.6	2.00	6.11	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.88	94.2	2.00	5.78	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.59	93.1	6.00	5.66	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	1010	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	10.1	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 68.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 49.1-148

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*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 72 @ 0.5' (H245101-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.04	102	2.00	1.26		
Toluene*	<0.050	0.050	08/23/2024	ND	1.97	98.7	2.00	0.495		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.97	98.5	2.00	0.414		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.87	97.8	6.00	0.150		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 73 @ 0.5' (H245101-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.04	102	2.00	1.26		
Toluene*	<0.050	0.050	08/23/2024	ND	1.97	98.7	2.00	0.495		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.97	98.5	2.00	0.414		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.87	97.8	6.00	0.150		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	928	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/21/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 74 @ 0.5' (H245101-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.04	102	2.00	1.26		
Toluene*	<0.050	0.050	08/23/2024	ND	1.97	98.7	2.00	0.495		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.97	98.5	2.00	0.414		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.87	97.8	6.00	0.150		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	204	102	200	1.43	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	193	96.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Mike Snyder For 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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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

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

[illegible]

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Relinquished By: <i>[Signature]</i>		Date: 8-21-24 Time: 4:58		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
		Time:				REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C: -10.0°C		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) <i>[Signature]</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -10.0°C		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						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"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.5 08/05/24



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 28 of 29

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: Etech																					
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																					
Phone #: (575) 264-9884 Fax #:				Address:																					
Project #: 20815 Project Owner: Mewbourne				City:																					
Project Name: Rio Grande State Com 521H				State: Zip:																					
Project Location: 32.69156, -104.15495				Phone #:																					
Sampler Name: Martin Sepulveda				Fax #:																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D. ADS-2124 124501		Sample I.D.		(G/RAB OR (C)OMP. # CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE		TIME													
11		FL 61 @ 0.5'		C 1		X		X		8/20/24				X X X											
12		FL 62 @ 0.5'		C 1		X		X		8/20/24				X X X											
13		FL 63 @ 0.5'		C 1		X		X		8/20/24				X X X											
14		FL 64 @ 0.5'		C 1		X		X		8/20/24				X X X											
15		FL 65 @ 0.5'		C 1		X		X		8/20/24				X X X											
16		FL 66 @ 0.5'		C 1		X		X		8/20/24				X X X											
17		FL 67 @ 0.5'		C 1		X		X		8/20/24				X X X											
18		FL 68 @ 0.5'		C 1		X		X		8/20/24				X X X											
19		FL 69 @ 0.5'		C 1		X		X		8/20/24				X X X											
20		FL 70 @ 0.5'		C 1		X		X		8/20/24				X X X											

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Relinquished By:		Date: 8-21-24 Time: 1458		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
Time:						REMARKS: Sample #15 has headspace. customer informed + said to run it.	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: -10.0°C Corrected Temp. °C: -10.6°C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) 	
						Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input 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	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: Etech																							
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 20815 Project Owner: Mewbourne				City:																							
Project Name: Rio Grande State Com 521H				State: Zip:																							
Project Location: 32.69156, -104.15495				Phone #:																							
Sampler Name: Martin Sepulveda				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													
H245101																											
21	FL 71 @ 0.5'	C	1			X				X			8/20/24		X	X	X										
22	FL 72 @ 0.5'	C	1			X				X			8/20/24		X	X	X										
23	FL 73 @ 0.5'	C	1			X				X			8/20/24		X	X	X										
24	FL 74 @ 0.5'	C	1			X				X			8/20/24		X	X	X										

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Relinquished By:		Date: 8-21-24	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1458					All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:		REMARKS:	
Time:						
Delivered By: (Circle One)		Observed Temp. °C: -10.0°C	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -10.0°C			Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
					Thermometer ID #140 Correction Factor -0.6°C	
					Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C: 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

August 26, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 8:31.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 1 @ 2' (H245137-01)

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	08/23/2024	ND	2.23	112	2.00	6.88	
Toluene*	<0.050	0.050	08/23/2024	ND	2.13	106	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.10	105	2.00	5.95	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.23	104	6.00	6.09	
Total BTX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	592	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	3.50	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	215	107	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 2 @ 2' (H245137-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.23	112	2.00	6.88		
Toluene*	<0.050	0.050	08/23/2024	ND	2.13	106	2.00	6.28		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.10	105	2.00	5.95		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.23	104	6.00	6.09		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	496	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	3.50	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	215	107	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 20 @ 1.5' (H245137-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.23	112	2.00	6.88	
Toluene*	<0.050	0.050	08/23/2024	ND	2.13	106	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.10	105	2.00	5.95	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.23	104	6.00	6.09	
Total BTEx	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	3.50	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	215	107	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 28 @ 1.5' (H245137-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.23	112	2.00	6.88	
Toluene*	<0.050	0.050	08/23/2024	ND	2.13	106	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.10	105	2.00	5.95	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.23	104	6.00	6.09	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	3.50	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	215	107	200	5.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/26/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 1 (H245137-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.23	112	2.00	6.88		
Toluene*	<0.050	0.050	08/23/2024	ND	2.13	106	2.00	6.28		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.10	105	2.00	5.95		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.23	104	6.00	6.09		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	3.50	
DRO >C10-C28*	97.2	10.0	08/23/2024	ND	215	107	200	5.58	
EXT DRO >C28-C36	29.3	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Mike Snyder For 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 "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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 1 of 1

Page 8 of 8

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: Etech																											
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																											
Phone #: (575) 264-9884 Fax #:				Address:																											
Project #: 20815 Project Owner: Mewbourne				City:																											
Project Name: Rio Grande State Com 521H				State: Zip:																											
Project Location: 32.69156, -104.15495				Phone #:																											
Sampler Name: Martin Sepulveda				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			
H245137				C		1						X								X		8/22/24				X		X		X	
1		FL 1 @ 2'		C		1						X								X		8/22/24				X		X		X	
2		FL 2 @ 2'		C		1						X								X		8/22/24				X		X		X	
3		FL 20 @ 1.5'		C		1						X								X		8/22/24				X		X		X	
4		FL 28 @ 1.5'		C		1						X								X		8/22/24				X		X		X	
5		EW 1		C		1						X								X		8/22/24				X		X		X	

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Relinquished By:		Date: 8-23-24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 0831						All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
						RUSH SAMPLES - 24H	
Delivered By: (Circle One)		Observed Temp. °C: -6.4°C		Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -7.0°C				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 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C: Corrected Temp. °C:	



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

August 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 8:31.

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 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 1 @ 0' (H245138-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.143	0.050	08/26/2024	ND	2.21	111	2.00	2.32	
Toluene*	5.05	0.050	08/26/2024	ND	2.12	106	2.00	0.258	QM-07
Ethylbenzene*	4.44	0.050	08/26/2024	ND	2.24	112	2.00	0.834	QM-07
Total Xylenes*	11.6	0.150	08/26/2024	ND	6.88	115	6.00	0.849	QM-07
Total BTX	21.2	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	23200	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	229	50.0	08/25/2024	ND	225	112	200	1.73		
DRO >C10-C28*	29000	50.0	08/25/2024	ND	232	116	200	2.31		
EXT DRO >C28-C36	9300	50.0	08/25/2024	ND						

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 761 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 1 @ 1' (H245138-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2024	ND	2.21	111	2.00	2.32		
Toluene*	0.737	0.050	08/26/2024	ND	2.12	106	2.00	0.258		
Ethylbenzene*	0.866	0.050	08/26/2024	ND	2.24	112	2.00	0.834		
Total Xylenes*	1.98	0.150	08/26/2024	ND	6.88	115	6.00	0.849		
Total BTEX	3.58	0.300	08/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/26/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31.4	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	6610	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	1520	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 1 @ 2' (H245138-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32		
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	08/26/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/25/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/25/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 1 @ 3' (H245138-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32		
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849		
Total BTEX	<0.300	0.300	08/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/26/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 2 @ 0' (H245138-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.094	0.050	08/26/2024	ND	2.21	111	2.00	2.32	
Toluene*	3.62	0.050	08/26/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	3.38	0.050	08/26/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	9.20	0.150	08/26/2024	ND	6.88	115	6.00	0.849	
Total BTEX	16.3	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	24000	16.0	08/26/2024	ND	416	104	400	7.41	
TPH 8015M									S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	183	50.0	08/25/2024	ND	225	112	200	1.73	
DRO >C10-C28*	26900	50.0	08/25/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	9140	50.0	08/25/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 735 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 2 @ 1' (H245138-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.21	111	2.00	2.32	
Toluene*	0.714	0.050	08/26/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	0.849	0.050	08/26/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	1.93	0.150	08/26/2024	ND	6.88	115	6.00	0.849	
Total BTEX	3.50	0.300	08/26/2024	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	432	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.7	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	6580	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	1380	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 2 @ 2' (H245138-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32		
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849		
Total BTEX	<0.300	0.300	08/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/26/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/25/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/25/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/25/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TT 2 @ 3' (H245138-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32		
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

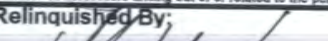

101 East Marland, Hobbs, NM 88240

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

Page 1 of 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: Etech													
City: Hobbs State: NM Zip: 88240										Attn: Lance Crenshaw													
Phone #: (575) 264-9884 Fax #:										Address:													
Project #: 20815 Project Owner: Mewbourne										City:													
Project Name: Rio Grande State Corn 521H										State: Zip:													
Project Location: 32.69156, -104.15495										Phone #:													
Sampler Name: Martin Sepulveda										Fax #:													
FOR LAB USE ONLY										PRESERV.			SAMPLING										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :														
1	TT 1 @ 0'	G	1			X				X		8/22/24		X	X	X							
2	TT 1 @ 1'	G	1			X				X		8/22/24		X	X	X							
3	TT 1 @ 2'	G	1			X				X		8/22/24		X	X	X							
4	TT 1 @ 3'	G	1			X				X		8/22/24		X	X	X							
5	TT 2 @ 0'	G	1			X				X		8/22/24		X	X	X							
6	TT 2 @ 1'	G	1			X				X		8/22/24		X	X	X							
7	TT 2 @ 2'	G	1			X				X		8/22/24		X	X	X							
8	TT 2 @ 3'	G	1			X				X		8/22/24		X	X	X							

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Relinquished By: 		Date: 8-23-24		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 0831		Time:				All Results are emailed. Please provide Email Address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		-6.4°C		Cool Intact		(Initials)	
		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor -0.6°C	
		-7.0°C				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	



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

August 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 8:31.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 75 @ 6" (H245139-01)

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	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	49.8	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	13.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 76 @ 6" (H245139-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	28.8	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 77 @ 6" (H245139-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	38.3	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 78 @ 6" (H245139-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32		
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/26/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	41.1	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 79 @ 6" (H245139-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.21	111	2.00	2.32	
Toluene*	<0.050	0.050	08/24/2024	ND	2.12	106	2.00	0.258	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.24	112	2.00	0.834	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.88	115	6.00	0.849	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 80 @ 6" (H245139-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/26/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 81 @ 6" (H245139-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	29.3	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 82 @ 6" (H245139-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	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	320	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	17.9	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 83 @ 6" (H245139-09)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 84 @ 6" (H245139-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/26/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	225	112	200	1.73	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	232	116	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 85 @ 6" (H245139-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	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	128	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 86 @ 6" (H245139-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33		
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11		
Total BTEX	<0.300	0.300	08/23/2024	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	128	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 87 @ 6" (H245139-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	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	176	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	11.6	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 88 @ 6" (H245139-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33		
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11		
Total BTEX	<0.300	0.300	08/23/2024	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	176	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	16.9	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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 HOBBS NM, 88240
 Fax To:

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 89 @ 6" (H245139-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33		
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	17.8	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 90 @ 6" (H245139-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33		
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11		
Total BTEX	<0.300	0.300	08/23/2024	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	128	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 91 @ 6" (H245139-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33		
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11		
Total BTEX	<0.300	0.300	08/23/2024	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	192	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 66.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 92 @ 6" (H245139-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	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	176	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	14.5	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 93 @ 6" (H245139-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33		
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11		
Total BTEX	<0.300	0.300	08/23/2024	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	176	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	12.2	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 94 @ 6" (H245139-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33		
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11		
Total BTEX	<0.300	0.300	08/23/2024	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	128	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	10.3	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 95 @ 6" (H245139-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	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	192	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	21.8	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 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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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 96 @ 6" (H245139-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/23/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/23/2024	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	144	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	13.1	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 97 @ 6" (H245139-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/24/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/24/2024	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	128	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	25.1	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 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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Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 98 @ 6" (H245139-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/24/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	13.1	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 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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 2617 W MARLAND
 HOBBS NM, 88240
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Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 99 @ 6" (H245139-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.18	109	2.00	4.33	
Toluene*	<0.050	0.050	08/24/2024	ND	2.27	114	2.00	3.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.32	116	2.00	3.81	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.14	119	6.00	4.11	
Total BTEX	<0.300	0.300	08/24/2024	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	112	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Received: 08/23/2024
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 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 100 @ 6" (H245139-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	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	112	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To:

Received: 08/23/2024
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 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 101 @ 6" (H245139-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 102 @ 6" (H245139-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	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	240	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	220	110	200	0.835	
DRO >C10-C28*	27.3	10.0	08/23/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 103 @ 6" (H245139-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/26/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	220	110	200	0.835	
DRO >C10-C28*	13.7	10.0	08/24/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 104 @ 6" (H245139-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	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	112	16.0	08/26/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	220	110	200	0.835	
DRO >C10-C28*	60.7	10.0	08/24/2024	ND	223	111	200	2.06	
EXT DRO >C28-C36	14.3	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 105 @ 6" (H245139-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	17.2	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 106 @ 6" (H245139-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	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	176	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	15.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 107 @ 6" (H245139-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	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	128	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 108 @ 6" (H245139-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 109 @ 6" (H245139-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 110 @ 6" (H245139-36)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	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	176	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 111 @ 6" (H245139-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	14.4	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 112 @ 6" (H245139-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 113 @ 6" (H245139-39)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	11.7	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 63.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 114 @ 6" (H245139-40)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	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	128	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 115 @ 6" (H245139-41)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	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	112	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 116 @ 6" (H245139-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	29.3	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 117 @ 6" (H245139-43)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	10.5	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 118 @ 6" (H245139-44)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15	
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 119 @ 6" (H245139-45)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	3.15		
Toluene*	<0.050	0.050	08/24/2024	ND	2.31	116	2.00	2.62		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.34	117	2.00	2.09		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.18	120	6.00	2.16		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/26/2024	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	08/23/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 120 @ 6" (H245139-46)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	144	16.0	08/26/2024	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	08/24/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 121 @ 6" (H245139-47)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	08/26/2024	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	08/24/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 122 @ 6" (H245139-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	128	16.0	08/26/2024	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	08/24/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 123 @ 6" (H245139-49)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	144	16.0	08/26/2024	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	08/24/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 124 @ 6" (H245139-50)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	08/26/2024	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	08/24/2024	ND	204	102	200	0.894	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	212	106	200	0.928	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 125 @ 6" (H245139-51)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	160	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 126 @ 6" (H245139-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	160	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 127 @ 6" (H245139-53)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 128 @ 6" (H245139-54)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 129 @ 6" (H245139-55)

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	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 130 @ 6" (H245139-56)

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	08/23/2024	ND	2.11	106	2.00	1.48		
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 131 @ 6" (H245139-57)

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	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	176	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 132 @ 6" (H245139-58)

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	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	176	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 133 @ 6" (H245139-59)

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	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	192	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 70.0 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 134 @ 6" (H245139-60)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/23/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 135 @ 6" (H245139-61)

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	08/24/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/24/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	192	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 136 @ 6" (H245139-62)

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	08/24/2024	ND	2.11	106	2.00	1.48	
Toluene*	<0.050	0.050	08/24/2024	ND	2.01	101	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.05	103	2.00	1.07	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.07	101	6.00	0.933	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	176	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 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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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 137 @ 6" (H245139-63)

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	08/24/2024	ND	2.11	106	2.00	1.48		
Toluene*	<0.050	0.050	08/24/2024	ND	2.01	101	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.05	103	2.00	1.07		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.07	101	6.00	0.933		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	176	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 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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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 138 @ 6" (H245139-64)

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	08/23/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 139 @ 6" (H245139-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 140 @ 6" (H245139-66)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 141 @ 6" (H245139-67)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 142 @ 6" (H245139-68)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 143 @ 6" (H245139-69)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 144 @ 6" (H245139-70)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	217	108	200	1.97	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	227	114	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 145 @ 6" (H245139-71)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	222	111	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 146 @ 6" (H245139-72)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 147 @ 6" (H245139-73)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	17.8	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 148 @ 6" (H245139-74)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	12.8	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 149 @ 6" (H245139-75)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	19.3	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 150 @ 6" (H245139-76)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	23.1	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 151 @ 6" (H245139-77)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	14.7	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 152 @ 6" (H245139-78)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	19.6	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 153 @ 6" (H245139-79)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	13.9	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 154 @ 6" (H245139-80)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	47.2	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 155 @ 6" (H245139-81)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 156 @ 6" (H245139-82)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	14.5	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 157 @ 6" (H245139-83)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	12.3	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	7.66	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.29	114	2.00	7.75	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	6.81	113	6.00	7.38	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	10.6	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 158 @ 6" (H245139-84)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	16.5	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 159 @ 6" (H245139-85)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	29.5	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 73.6 % 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 160 @ 6" (H245139-86)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2		
Total BTEX	<0.300	0.300	08/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	17.9	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 161 @ 6" (H245139-87)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	10.3	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 63.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 162 @ 6" (H245139-88)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 163 @ 6" (H245139-89)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 164 @ 6" (H245139-90)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	222	111	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	225	112	200	6.91	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 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 93 of 101

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: Etech																											
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																											
Phone #: (575) 264-9884 Fax #:				Address:																											
Project #: 20815 Project Owner: Mewbourne				City:																											
Project Name: Rio Grande State Com 521H				State: Zip:																											
Project Location: 32.69156, -104.15495				Phone #:																											
Sampler Name: Martin Sepulveda				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			
H245139																															
1		FL 75 @ 6"		C		1				X										X		8/22/24				X		X		X	
2		FL 76 @ 6"		C		1				X										X		8/22/24				X		X		X	
3		FL 77 @ 6"		C		1				X										X		8/22/24				X		X		X	
4		FL 78 @ 6"		C		1				X										X		8/22/24				X		X		X	
5		FL 79 @ 6"		C		1				X										X		8/22/24				X		X		X	
6		FL 80 @ 6"		C		1				X										X		8/22/24				X		X		X	
7		FL 81 @ 6"		C		1				X										X		8/22/24				X		X		X	
8		FL 82 @ 6"		C		1				X										X		8/22/24				X		X		X	
9		FL 83 @ 6"		C		1				X										X		8/22/24				X		X		X	
10		FL 84 @ 6"		C		1				X										X		8/22/24				X		X		X	




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Relinquished By:		Date: 8/23/24 Time: 0831		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
Time:						REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C: -6.4°C		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -7.0°C		CHECKED BY: (Initials)		Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Thermometer ID #140 Correction Factor -0.6°C	
						Observed Temp. °C Corrected Temp. °C	

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[illegible]

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Relinquished By: 		Date: 8-23-24 Time: 0831		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@etechenv.com	
Relinquished By:		Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: -6.4 Corrected Temp. °C: -7.0		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 	
				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	
				Thermometer ID #140 Correction Factor -0.6°C			



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																											
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																											
Address: 2617 West Marland				Company: Etech																															
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																															
Phone #: (575) 264-9884 Fax #:				Address:																															
Project #: 20815 Project Owner: Mewbourne				City:																															
Project Name: Rio Grande State Com 521H				State: Zip:																															
Project Location: 32.69156, -104.15495				Phone #:																															
Sampler Name: Martin Sepulveda				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																					
H245739																																			
31		FL 105 @ 6"		C 1						X				X		8/22/24				X		X		X											
32		FL 106 @ 6"		C 1						X				X		8/22/24				X		X		X											
33		FL 107 @ 6"		C 1						X				X		8/22/24				X		X		X											
34		FL 108 @ 6"		C 1						X				X		8/22/24				X		X		X											
35		FL 109 @ 6"		C 1						X				X		8/22/24				X		X		X											
36		FL 110 @ 6"		C 1						X				X		8/22/24				X		X		X											
37		FL 111 @ 6"		C 1						X				X		8/22/24				X		X		X											
38		FL 112 @ 6"		C 1						X				X		8/22/24				X		X		X											
39		FL 113 @ 6"		C 1						X				X		8/22/24				X		X		X											
40		FL 114 @ 6"		C 1						X				X		8/22/24				X		X		X											

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Relinquished By:		Date: 8-23-24 Time: 0831		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
		Time:				REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C: 64.2		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 7.02		<input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor -0.6°C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 97 of 101

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: Etech																													
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																													
Phone #: (575) 264-9884 Fax #:				Address:																													
Project #: 20815 Project Owner: Mewbourne				City:																													
Project Name: Rio Grande State Com 521H				State: Zip:																													
Project Location: 32.69156, -104.15495				Phone #:																													
Sampler Name: Martin Sepulveda				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					
H245139				C		1						X								X				8/22/24				X		X		X	
41		FL 115 @ 6"		C		1						X								X				8/22/24				X		X		X	
42		FL 116 @ 6"		C		1						X								X				8/22/24				X		X		X	
43		FL 117 @ 6"		C		1						X								X				8/22/24				X		X		X	
44		FL 118 @ 6"		C		1						X								X				8/22/24				X		X		X	
45		FL 119 @ 6"		C		1						X								X				8/22/24				X		X		X	
46		FL 120 @ 6"		C		1						X								X				8/22/24				X		X		X	
47		FL 121 @ 6"		C		1						X								X				8/22/24				X		X		X	
48		FL 122 @ 6"		C		1						X								X				8/22/24				X		X		X	
49		FL 123 @ 6"		C		1						X								X				8/22/24				X		X		X	
50		FL 124 @ 6"		C		1						X								X				8/22/24				X		X		X	

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Relinquished By:		Date: 8-23-24		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 0831				All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
		-4.4°C		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #140	
		-7.0°C		Yes <input type="checkbox"/> No <input type="checkbox"/>		Correction Factor -0.6°C	
						Bacteria (only) Sample Condition	
						Cool Intact Observed Temp. °C	
						Yes <input type="checkbox"/> No <input type="checkbox"/>	
						Corrected Temp. °C	

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; align-items: center;"> <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: Etech															
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: 20815 Project Owner: Mewbourne				City:															
Project Name: Rio Grande State Com 521H				State: Zip:															
Project Location: 32.69156, -104.15495				Phone #:															
Sampler Name: Martin Sepulveda				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							
H245139																			
51		FL 125 @ 6"		C 1				X		X		8/22/24		X X X					
52		FL 126 @ 6"		C 1				X		X		8/22/24		X X X					
53		FL 127 @ 6"		C 1				X		X		8/22/24		X X X					
54		FL 128 @ 6"		C 1				X		X		8/22/24		X X X					
55		FL 129 @ 6"		C 1				X		X		8/22/24		X X X					
56		FL 130 @ 6"		C 1				X		X		8/22/24		X X X					
57		FL 131 @ 6"		C 1				X		X		8/22/24		X X X					
58		FL 132 @ 6"		C 1				X		X		8/22/24		X X X					
59		FL 133 @ 6"		C 1				X		X		8/22/24		X X X					
60		FL 134 @ 6"		C 1				X		X		8/22/24		X X X					

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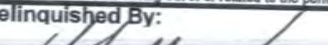


Relinquished By: 		Date: 8-23-24 Time: 0831		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C: -6.4°C		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: (Initials) 	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -7.0°C		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> 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	

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

Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO		ANALYSIS REQUEST												
Project Manager: Lance Crenshaw										P.O. #:		Chloride	TPH (8015M)	BTEX (8021B)										
Address: 2617 West Marland										Company: Etech														
City: Hobbs State: NM Zip: 88240										Attn: Lance Crenshaw														
Phone #: (575) 264-9884 Fax #:										Address:														
Project #: 20815 Project Owner: Mewbourne										City:														
Project Name: Rio Grande State Com 521H										State: Zip:														
Project Location: 32.69156, -104.15495										Phone #:														
Sampler Name: Martin Sepulveda										Fax #:														
FOR LAB USE ONLY										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										
4245139																								
61	FL 135 @ 6"	C	1			X				X			8/22/24		X	X	X							
62	FL 136 @ 6"	C	1			X				X			8/22/24		X	X	X							
63	FL 137 @ 6"	C	1			X				X			8/22/24		X	X	X							
64	FL 138 @ 6"	C	1			X				X			8/22/24		X	X	X							
65	FL 139 @ 6"	C	1			X				X			8/22/24		X	X	X							
66	FL 140 @ 6"	C	1			X				X			8/22/24		X	X	X							
67	FL 141 @ 6"	C	1			X				X			8/22/24		X	X	X							
68	FL 142 @ 6"	C	1			X				X			8/22/24		X	X	X							
69	FL 143 @ 6"	C	1			X				X			8/22/24		X	X	X							
70	FL 144 @ 6"	C	1			X				X			8/22/24		X	X	X							

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Relinquished By: 		Date: 2/23/24 Time: 0831		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
		Time:				REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C: -6.4		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY:  (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -7.0		<input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						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"/> No <input type="checkbox"/> No Corrected Temp. °C	

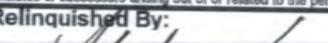
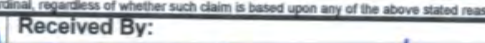

FORM-006 R 3.5 08/05/24

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

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Lance Crenshaw				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)																
Address: 2617 West Marland				Company: Etech																						
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																						
Phone #: (575) 264-9884 Fax #:				Address:																						
Project #: 20815 Project Owner: Mewbourne				City:																						
Project Name: Rio Grande State Com 521H				State: Zip:																						
Project Location: 32.69156, -104.15495				Phone #:																						
Sampler Name: Martin Sepulveda				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												
H245739																										
71	FL 145 @ 6"	C	1			X				X			8/22/24		X	X	X									
72	FL 146 @ 6"	C	1			X				X			8/22/24		X	X	X									
73	FL 147 @ 6"	C	1			X				X			8/22/24		X	X	X									
74	FL 148 @ 6"	C	1			X				X			8/22/24		X	X	X									
75	FL 149 @ 6"	C	1			X				X			8/22/24		X	X	X									
76	FL 150 @ 6"	C	1			X				X			8/22/24		X	X	X									
77	FL 151 @ 6"	C	1			X				X			8/22/24		X	X	X									
78	FL 152 @ 6"	C	1			X				X			8/22/24		X	X	X									
79	FL 153 @ 6"	C	1			X				X			8/22/24		X	X	X									
80	FL 154 @ 6"	C	1			X				X			8/22/24		X	X	X									

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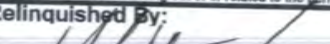


Relinquished By: 		Date: 8-23-24 Time: 0831		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechnv.com	
		Time:				REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C: -6.4°C		Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -7.0°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <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	
				CHECKED BY: (Initials) 		Thermometer ID #140 Correction Factor -0.6°C	
						Corrected Temp. °C	

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[illegible]

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Finalized By: _____ Date: _____

Relinquished By: 		Date: 8-23-24		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 0831						All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C = 6.4		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C = 7.0		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
						Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Thermometer ID #140 Correction Factor -0.6°C	
						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	



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

August 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 8:31.

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 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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 165 @ 6" (H245140-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2		
Total BTEX	<0.300	0.300	08/24/2024	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	144	16.0	08/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 166 @ 6" (H245140-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	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	192	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 167 @ 6" (H245140-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	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	144	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 168 @ 6" (H245140-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2		
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 169 @ 6" (H245140-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	176	16.0	08/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 170 @ 6" (H245140-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 171 @ 6" (H245140-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	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	160	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 172 @ 6" (H245140-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 173 @ 6" (H245140-09)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	11.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 174 @ 6" (H245140-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 175 @ 6" (H245140-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8		
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6		
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2		
Total BTEX	<0.300	0.300	08/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 176 @ 6" (H245140-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	11.3	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 177 @ 6" (H245140-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2024	ND	2.23	111	2.00	11.8	
Toluene*	<0.050	0.050	08/24/2024	ND	2.26	113	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/24/2024	ND	2.45	123	2.00	10.6	
Total Xylenes*	<0.150	0.150	08/24/2024	ND	7.56	126	6.00	11.2	
Total BTEX	<0.300	0.300	08/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 178 @ 6" (H245140-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.19	109	2.00	11.0	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	111	2.00	6.83	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.35	117	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	7.11	118	6.00	4.01	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 179 @ 6" (H245140-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.19	109	2.00	11.0	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	111	2.00	6.83	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.35	117	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	7.11	118	6.00	4.01	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 180 @ 6" (H245140-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.19	109	2.00	11.0	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	111	2.00	6.83	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.35	117	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	7.11	118	6.00	4.01	
Total BTEX	<0.300	0.300	08/26/2024	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	704	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	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: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 181 @ 6" (H245140-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.19	109	2.00	11.0	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	111	2.00	6.83	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.35	117	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	7.11	118	6.00	4.01	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/23/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 182 @ 6" (H245140-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.19	109	2.00	11.0	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	111	2.00	6.83	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.35	117	2.00	5.12	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	7.11	118	6.00	4.01	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2024	ND	203	101	200	2.60	
DRO >C10-C28*	<10.0	10.0	08/24/2024	ND	210	105	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	08/24/2024	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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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".

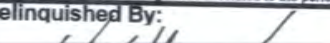
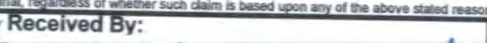

Celey D. Keene, Lab Director/Quality Manager

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

[illegible]

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Enligned By: _____ Date: _____

Relinquished By: 		Date: 8-23-24 Time: 0831		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
		Time:				REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C = 6.4		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 	
Sampler - UPS - Bus - Other:		Corrected Temp. °C = 7.0		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						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"/> No <input type="checkbox"/> No Corrected Temp. °C	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.				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: Etech																							
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 20815 Project Owner: Mewbourne				City:																							
Project Name: Rio Grande State Com 521H				State: Zip:																							
Project Location: 32.69156, -104.15495				Phone #:																							
Sampler Name: Martin Sepulveda				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													
H245140																											
11	FL 175 @ 6"	C	1			X				X			8/22/24		X	X	X										
12	FL 176 @ 6"	C	1			X				X			8/22/24		X	X	X										
13	FL 177 @ 6"	C	1			X				X			8/22/24		X	X	X										
14	FL 178 @ 6"	C	1			X				X			8/22/24		X	X	X										
15	FL 179 @ 6"	C	1			X				X			8/22/24		X	X	X										
16	FL 180 @ 6"	C	1			X				X			8/22/24		X	X	X										
17	FL 181 @ 6"	C	1			X				X			8/22/24		X	X	X										
18	FL 182 @ 6"	C	1			X				X			8/22/24		X	X	X										

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Relinquished By: <i>[Signature]</i>		Date: 8-23-24	Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 0831					All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:		REMARKS:	
Time:						
Delivered By: (Circle One)		Observed Temp. °C	Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool Intact		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		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 <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	



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

August 27, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/26/24 14:51.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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: 08/26/2024
 Reported: 08/27/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9@2' (H245175-01)

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	08/26/2024	ND	1.96	98.0	2.00	5.24	
Toluene*	<0.050	0.050	08/26/2024	ND	1.91	95.4	2.00	5.14	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.92	96.1	2.00	4.58	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.70	95.0	6.00	4.63	
Total BTX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	240	16.0	08/27/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	199	99.6	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	207	104	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 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

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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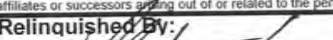


A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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

[illegible]

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Relinquished By: 		Date: 8-26-24	Received By: 	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: 1451	Received By:	REMARKS: RUSH SAMPLES - 24H
		Date:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.8 Corrected Temp. °C -7.4	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	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"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C
			Thermometer ID #140 Correction Factor -0.6°C	



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

August 28, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 14:55.

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 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: 08/27/2024
 Reported: 08/28/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1A (H245210-01)

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	08/27/2024	ND	1.98	98.9	2.00	5.95		
Toluene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.32		
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.02	101	2.00	7.90		
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.16	103	6.00	7.39		
Total BTX	<0.300	0.300	08/27/2024	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	128	16.0	08/28/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	209	104	200	3.87	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 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

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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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

[illegible]

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: 8-27-24		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1455		Time:		All Results are emailed. Please provide Email address: pm@etechenv.com			
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:				RUSH SAMPLES - 24H	
Delivered By: (Circle One)		Observed Temp. °C 3.8		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 4.4		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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 Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	



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

August 30, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 8:15.

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: 08/29/2024
 Reported: 08/30/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 1 B (H245256-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	15.7	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25	
Total BTEx	<0.300	0.300	08/29/2024	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	128	16.0	08/29/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	10.7	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 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: 08/29/2024
 Reported: 08/30/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW 2 (H245256-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	15.7		
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25		
Total BTEX	<0.300	0.300	08/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/29/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 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

Analytical Results For:

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

Received: 08/29/2024
 Reported: 08/30/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: EW 2 (H245256-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	15.7		
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25		
Total BTEX	<0.300	0.300	08/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	96.0	16.0	08/29/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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: 08/29/2024
 Reported: 08/30/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 2 (H245256-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	15.7	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25	
Total BTEX	<0.300	0.300	08/29/2024	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	128	16.0	08/29/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	11.5	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/29/2024
 Reported: 08/30/2024
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 08/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 2 (H245256-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	15.7		
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25		
Total BTEX	<0.300	0.300	08/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/29/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

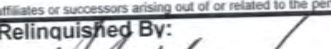
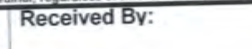



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 8-29-24 Time: 8:15		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No [Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechnv.com	
Relinquished By:		Date: Time:		Received By:		REMARKS: RUSH SAMPLES - 24H	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -14.0°C Corrected Temp. °C -14.0°C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		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"/> No <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

February 06, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 01/31/25 14:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, 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: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 60 @ 1' (H250591-01)

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	01/31/2025	ND	2.30	115	2.00	2.57	
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49	
Total BTX	<0.300	0.300	01/31/2025	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	368	16.0	02/03/2025	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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 61 @ 1' (H250591-02)

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	01/31/2025	ND	2.30	115	2.00	2.57		
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49		
Total BTEX	<0.300	0.300	01/31/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	02/03/2025	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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 62 @ 1' (H250591-03)

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	01/31/2025	ND	2.30	115	2.00	2.57	
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49	
Total BTEX	<0.300	0.300	01/31/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/03/2025	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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 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: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 63 @ 1' (H250591-04)

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	01/31/2025	ND	2.30	115	2.00	2.57		
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49		
Total BTEX	<0.300	0.300	01/31/2025	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	256	16.0	02/03/2025	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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 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: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 64 @ 1' (H250591-05)

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	01/31/2025	ND	2.30	115	2.00	2.57		
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49		
Total BTEX	<0.300	0.300	01/31/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/03/2025	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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 179 @ 1' (H250591-06)

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	01/31/2025	ND	2.30	115	2.00	2.57		
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49		
Total BTEX	<0.300	0.300	01/31/2025	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	288	16.0	02/03/2025	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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 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: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 180 @ 1' (H250591-07)

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	01/31/2025	ND	2.30	115	2.00	2.57		
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49		
Total BTEX	<0.300	0.300	01/31/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/03/2025	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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 181 @ 1' (H250591-08)

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	01/31/2025	ND	2.30	115	2.00	2.57		
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49		
Total BTEX	<0.300	0.300	01/31/2025	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	320	16.0	02/03/2025	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	02/01/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/31/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/30/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 182 @ 1' (H250591-09)

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	01/31/2025	ND	2.30	115	2.00	2.57		
Toluene*	<0.050	0.050	01/31/2025	ND	2.17	109	2.00	1.32		
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.39	120	2.00	2.39		
Total Xylenes*	<0.150	0.150	01/31/2025	ND	7.34	122	6.00	2.49		
Total BTEX	<0.300	0.300	01/31/2025	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	240	16.0	02/03/2025	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	02/01/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	02/01/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	02/01/2025	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 12 of 12

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: Etech																													
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																													
Phone #: (575) 264-9884 Fax #:				Address:																													
Project #: 20815 Project Owner: Mewbourne				City:																													
Project Name: Rio Grande State Com 521H				State: Zip:																													
Project Location: 32.69156, -104.15495				Phone #:																													
Sampler Name: Martin Sepulveda				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																	
HB505a1																																	
1		FL 60 @ 1'		C 1				X				X		1/30/25				X		X		X											
2		FL 61 @ 1'		C 1				X				X		1/30/25				X		X		X											
3		FL 62 @ 1'		C 1				X				X		1/30/25				X		X		X											
4		FL 63 @ 1'		C 1				X				X		1/30/25				X		X		X											
5		FL 64 @ 1'		C 1				X				X		1/30/25				X		X		X											
6		FL 179 @ 1'		C 1				X				X		1/30/25				X		X		X											
7		FL 180 @ 1'		C 1				X				X		1/30/25				X		X		X											
8		FL 181 @ 1'		C 1				X				X		1/30/25				X		X		X											
9		FL 182 @ 1'		C 1				X				X		1/30/25				X		X		X											

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Relinquished By:		Date: 1-30-25		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 1454				All Results are emailed. Please provide Email address:		pm@etechnv.com	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		-23.2		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) 		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
		Corrected Temp. °C -29.2		<input type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #140 Correction Factor -0.6°C	
				<input 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"/> Yes <input type="checkbox"/> No				Corrected Temp. °C	



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

February 06, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 14:42.

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 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 3 @1.5' (H250635-01)

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	02/05/2025	ND	2.55	128	2.00	1.41		
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98		
Total BTEx	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	144	16.0	02/04/2025	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	02/04/2025	ND	186	92.9	200	1.12	
DRO >C10-C28*	47.8	10.0	02/04/2025	ND	190	94.9	200	2.44	
EXT DRO >C28-C36	13.4	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 4 @1.5' (H250635-02)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	144	16.0	02/04/2025	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	02/04/2025	ND	186	92.9	200	1.12	
DRO >C10-C28*	15.1	10.0	02/04/2025	ND	190	94.9	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 5 @1.5' (H250635-03)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	176	16.0	02/04/2025	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	02/04/2025	ND	186	92.9	200	1.12	
DRO >C10-C28*	18.6	10.0	02/04/2025	ND	190	94.9	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 66.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.3 % 49.1-148

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

Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 6 @1.5' (H250635-04)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	160	16.0	02/04/2025	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	02/05/2025	ND	186	92.9	200	1.12	
DRO >C10-C28*	11.7	10.0	02/05/2025	ND	190	94.9	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 7 @ 1.5' (H250635-05)

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	02/05/2025	ND	2.55	128	2.00	1.41		
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98		
Total BTEX	<0.300	0.300	02/05/2025	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	224	16.0	02/05/2025	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	02/05/2025	ND	186	92.9	200	1.12	
DRO >C10-C28*	30.7	10.0	02/05/2025	ND	190	94.9	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 8 @1.5' (H250635-06)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	208	16.0	02/05/2025	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	02/05/2025	ND	186	92.9	200	1.12	
DRO >C10-C28*	63.2	10.0	02/05/2025	ND	190	94.9	200	2.44	
EXT DRO >C28-C36	20.6	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 10 @1.5' (H250635-07)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	272	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	48.9	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 11 @1.5' (H250635-08)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	176	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	20.1	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 12 @1.5' (H250635-09)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	240	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	39.0	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 13 @1.5' (H250635-10)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	224	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	50.1	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	10.8	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 14 @1.5' (H250635-11)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	176	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	51.3	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	10.8	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 15 @1.5' (H250635-12)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	272	16.0	02/05/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	32.5	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 16 @1.5' (H250635-13)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	240	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	39.8	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 17 @1.5' (H250635-14)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	256	16.0	02/05/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	37.4	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 18 @1.5' (H250635-15)

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	02/05/2025	ND	2.55	128	2.00	1.41	
Toluene*	<0.050	0.050	02/05/2025	ND	2.29	114	2.00	0.990	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.27	113	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.61	110	6.00	1.98	
Total BTEX	<0.300	0.300	02/05/2025	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	304	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	53.1	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 19 @1.5' (H250635-16)

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	02/05/2025	ND	2.33	117	2.00	0.297	QM-07	
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	336	16.0	02/05/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	61.2	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 137 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 21 @1.5' (H250635-17)

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	02/05/2025	ND	2.33	117	2.00	0.297	
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910	
Total BTEX	<0.300	0.300	02/05/2025	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	272	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	50.9	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 22 @1.5' (H250635-18)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	384	16.0	02/05/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	69.3	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	13.7	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 140 % 48.2-134

Surrogate: 1-Chlorooctadecane 163 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 23 @1.5' (H250635-19)

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	02/05/2025	ND	2.33	117	2.00	0.297	
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910	
Total BTEX	<0.300	0.300	02/05/2025	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	352	16.0	02/05/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	59.2	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 141 % 48.2-134

Surrogate: 1-Chlorooctadecane 156 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 24 @1.5' (H250635-20)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	272	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	96.1	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	31.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 104 % 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

Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 25 @1.5' (H250635-21)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	304	16.0	02/05/2025	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	02/04/2025	ND	213	106	200	1.81	
DRO >C10-C28*	79.6	10.0	02/04/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	20.8	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.2 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 26 @1.5' (H250635-22)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/05/2025	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	02/05/2025	ND	213	106	200	1.81	
DRO >C10-C28*	153	10.0	02/05/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	58.7	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 27 @1.5' (H250635-23)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/05/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	213	106	200	1.81	
DRO >C10-C28*	139	10.0	02/05/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	52.5	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 30 @1.5' (H250635-24)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	320	16.0	02/05/2025	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	02/05/2025	ND	213	106	200	1.81	
DRO >C10-C28*	194	10.0	02/05/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	88.2	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 31 @1.5' (H250635-25)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	288	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	213	106	200	1.81	
DRO >C10-C28*	132	10.0	02/05/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	43.2	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 150 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 32 @1.5' (H250635-26)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	320	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	213	106	200	1.81	
DRO >C10-C28*	113	10.0	02/05/2025	ND	221	110	200	4.65	
EXT DRO >C28-C36	36.1	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 48 @1' (H250635-27)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	320	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	115	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	35.7	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 55 @1.5' (H250635-28)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	320	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	204	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	116	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 57 @1' (H250635-29)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	304	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	123	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	41.4	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 58 @1' (H250635-30)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	288	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	104	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	33.5	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 65 @1' (H250635-31)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	02/05/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	121	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	59.2	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 66 @1' (H250635-32)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	144	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	110	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	67.5	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 67 @1' (H250635-33)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	48.0	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	125	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	86.3	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 68 @1' (H250635-34)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	272	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	134	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	84.1	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 69 @1' (H250635-35)

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	02/05/2025	ND	2.33	117	2.00	0.297		
Toluene*	<0.050	0.050	02/05/2025	ND	2.32	116	2.00	0.208		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.26	113	2.00	0.226		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.68	111	6.00	0.910		
Total BTEX	<0.300	0.300	02/05/2025	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	176	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	125	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	61.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 70 @1' (H250635-36)

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	02/04/2025	ND	1.89	94.4	2.00	1.09		
Toluene*	<0.050	0.050	02/04/2025	ND	2.12	106	2.00	0.824		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	1.43		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.73	112	6.00	1.37		
Total BTEX	<0.300	0.300	02/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	111	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	67.7	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 71 @1' (H250635-37)

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	02/04/2025	ND	1.89	94.4	2.00	1.09		
Toluene*	<0.050	0.050	02/04/2025	ND	2.12	106	2.00	0.824		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	1.43		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.73	112	6.00	1.37		
Total BTEX	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	317	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	141	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 72 @1' (H250635-38)

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	02/04/2025	ND	1.89	94.4	2.00	1.09		
Toluene*	<0.050	0.050	02/04/2025	ND	2.12	106	2.00	0.824		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	1.43		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.73	112	6.00	1.37		
Total BTEX	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	49.8	10.0	02/04/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	11.6	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 62.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 73 @1' (H250635-39)

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	02/05/2025	ND	1.89	94.4	2.00	1.09		
Toluene*	<0.050	0.050	02/05/2025	ND	2.12	106	2.00	0.824		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.21	111	2.00	1.43		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.73	112	6.00	1.37		
Total BTEX	<0.300	0.300	02/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	174	10.0	02/05/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	112	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 74 @1' (H250635-40)

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	02/05/2025	ND	1.89	94.4	2.00	1.09		
Toluene*	<0.050	0.050	02/05/2025	ND	2.12	106	2.00	0.824		
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.21	111	2.00	1.43		
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.73	112	6.00	1.37		
Total BTEX	<0.300	0.300	02/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/05/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2025	ND	200	99.8	200	3.51	
DRO >C10-C28*	151	10.0	02/05/2025	ND	205	102	200	3.28	
EXT DRO >C28-C36	97.5	10.0	02/05/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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



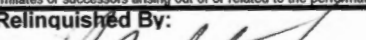
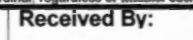

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 4

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Relinquished By: 		Date: 2-3-25		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:	
Time: 1442		Time:		All Results are emailed. Please provide Email address: pm@etechenv.com			
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:					
Delivered By: (Circle One)		Observed Temp. °C 1.1		Sample Condition Cool Intact		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 1.4		CHECKED BY: (Initials) 		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 4

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: Etech																				
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																				
Phone #: (575) 264-9884 Fax #:				Address:																				
Project #: 20815 Project Owner: Mewbourne				City:																				
Project Name: Rio Grande State Com 521H				State: Zip:																				
Project Location: 32.69156, -104.15495				Phone #:																				
Sampler Name: Martin Sepulveda				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										
11	FL 14 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
12	FL 15 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
13	FL 16 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
14	FL 17 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
15	FL 18 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
16	FL 19 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
17	FL 21 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
18	FL 22 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
19	FL 23 @ 1.5'	C	1			X					X		1/31/25		X	X	X							
20	FL 24 @ 1.5'	C	1			X					X		1/31/25		X	X	X							

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Relinquished By:		Date: 2-3-25	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1442			Time: 1442		All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:		REMARKS:	
Time:						
Delivered By: (Circle One)		Observed Temp. °C: 1.12	Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 1.42	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: 2-3-25 Thermometer ID #140 Correction Factor -0.6" = +0.32	
			Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Standard Rush <input checked="" type="checkbox"/>	
			Bacteria (only) Sample Condition		Cool Intact Observed Temp. °C	
			<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
			Corrected Temp. °C			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 4

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Relinquished By:  Date: 8-3-25 Time: 1442		Received By:  Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By: Date: Time:		Received By: Date: Time:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 1.1 Corrected Temp. °C: 1.42		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) 		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> AD 8-3-25 Thermometer ID #140 Correction Factor -0.6°C 10-3-25	
		Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Observed Temp. °C: Corrected Temp. °C:	

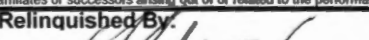
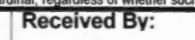
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

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Relinquished By: 		Date: 8-3-25		Time: 1440		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:		All Results are emailed. Please provide Email address: pm@etechnv.com	
Relinquished By:		Date:		Time:		Received By:		REMARKS:			
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:		Standard	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		(Initials)		PP 8-3-25		Rush	
		1.1		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		PP		Thermometer ID #140		<input checked="" type="checkbox"/> Bacteria (only) Sample Condition	
		1.4		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Correction Factor -0.6°C + 0.3		<input type="checkbox"/> Cool Intact Observed Temp. °C	
										<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrected Temp. °C	



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

February 06, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 17:00.

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: 02/03/2025
 Reported: 02/06/2025
 Project Name: RIO GRANDE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 02/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 29 @ 1.5' (H250645-01)

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	02/05/2025	ND	1.89	94.4	2.00	1.09	
Toluene*	<0.050	0.050	02/05/2025	ND	2.12	106	2.00	0.824	
Ethylbenzene*	<0.050	0.050	02/05/2025	ND	2.21	111	2.00	1.43	
Total Xylenes*	<0.150	0.150	02/05/2025	ND	6.73	112	6.00	1.37	
Total BTEX	<0.300	0.300	02/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	1100	16.0	02/05/2025	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	02/04/2025	ND	201	101	200	0.522	
DRO >C10-C28*	334	10.0	02/04/2025	ND	196	98.2	200	0.611	
EXT DRO >C28-C36	52.7	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 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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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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



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

February 14, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RIO GRANDE STATE COM 521H

Enclosed are the results of analyses for samples received by the laboratory on 02/13/25 14:58.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 24 @ 2' (H250888-01)

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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTX	<0.300	0.300	02/13/2025	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	192	16.0	02/14/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 25 @ 2' (H250888-02)

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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTX	<0.300	0.300	02/13/2025	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	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 26 @ 2' (H250888-03)

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	02/13/2025	ND	1.97	98.4	2.00	1.44	
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66	
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43	
Total BTEX	<0.300	0.300	02/13/2025	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	224	16.0	02/14/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

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

Received: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 27 @ 2' (H250888-04)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	224	16.0	02/14/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 111 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 29 @ 2' (H250888-05)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	224	16.0	02/14/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 102 % 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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Analytical Results For:

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

Received: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 30 @ 2' (H250888-06)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	256	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 31 @ 2' (H250888-07)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	208	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 32 @ 2' (H250888-08)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	208	16.0	02/14/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 48 @ 1.5' (H250888-09)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	208	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 103 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 55 @ 2' (H250888-10)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	240	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 57 @ 1.5' (H250888-11)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 58 @ 1.5' (H250888-12)

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	02/13/2025	ND	1.97	98.4	2.00	1.44		
Toluene*	<0.050	0.050	02/13/2025	ND	2.07	104	2.00	1.66		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.03	101	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	5.98	99.6	6.00	1.43		
Total BTEX	<0.300	0.300	02/13/2025	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	240	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 65 @ 1.5' (H250888-13)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	256	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 66 @ 1.5' (H250888-14)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	240	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 67 @ 1.5' (H250888-15)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	272	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Analytical Results For:

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

Received: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 68 @ 1.5' (H250888-16)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	272	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 69 @ 1.5' (H250888-17)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	256	16.0	02/14/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 70 @ 1.5' (H250888-18)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	224	16.0	02/14/2025	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 71 @ 1.5' (H250888-19)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	256	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	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



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: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 73 @ 1.5' (H250888-20)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	272	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	183	91.6	200	3.88	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	168	84.1	200	7.47	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/13/2025
 Reported: 02/14/2025
 Project Name: RIO GRANDE STATE COM 521H
 Project Number: 20815
 Project Location: MEWBOURNE 32.69156,-104.15495

Sampling Date: 02/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 74 @ 1.5' (H250888-21)

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	02/13/2025	ND	1.92	96.2	2.00	4.77		
Toluene*	<0.050	0.050	02/13/2025	ND	1.98	99.0	2.00	4.77		
Ethylbenzene*	<0.050	0.050	02/13/2025	ND	2.00	100	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/13/2025	ND	6.12	102	6.00	5.16		
Total BTEX	<0.300	0.300	02/13/2025	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	240	16.0	02/14/2025	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2025	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	02/13/2025	ND	190	95.1	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	02/13/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 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 "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>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																			
Address: 2617 West Marland				Company: Etech																																							
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																																							
Phone #: (575) 264-9884 Fax #:				Address:																																							
Project #: 20815 Project Owner: Mewbourne				City:																																							
Project Name: Rio Grande State Com 521H				State: Zip:																																							
Project Location: 32.69156, -104.15495				Phone #:																																							
Sampler Name: Martin Sepulveda				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															
H250888				C		1		X												X		2/12/25				X		X		X													
2		FL 24 @ 2'		C		1		X												X		2/12/25				X		X		X													
3		FL 25 @ 2'		C		1		X												X		2/12/25				X		X		X													
4		FL 26 @ 2'		C		1		X												X		2/12/25				X		X		X													
5		FL 27 @ 2'		C		1		X												X		2/12/25				X		X		X													
6		FL 29 @ 2'		C		1		X												X		2/12/25				X		X		X													
7		FL 30 @ 2'		C		1		X												X		2/12/25				X		X		X													
8		FL 31 @ 2'		C		1		X												X		2/12/25				X		X		X													
9		FL 32 @ 2'		C		1		X												X		2/12/25				X		X		X													
10		FL 48 @ 1.5'		C		1		X												X		2/12/25				X		X		X													
		FL 55 @ 2'		C		1		X												X		2/12/25				X		X		X													
<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: 2-13-05				Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																											
Time: 1458								Time: 1458				All Results are emailed. Please provide Email address: pm@etechenv.com																															
Relinquished By:				Date:				Received By:				REMARKS:																															
Time:												24 HOUR RUSH																															
Delivered By: (Circle One)				Observed Temp. °C 17.2				Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) AP				Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>				Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Observed Temp. °C																			
Sampler - UPS - Bus - Other:				Corrected Temp. °C 20.2												Thermometer ID #140								Corrected Temp. °C																			
																Correction Factor 0.6°C ± 0.3°C																											



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

Page 26 of 26

[illegible]

Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us
Sent: Monday, August 12, 2024 11:28 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372620

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/14/2024 @ 11:00

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:30 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372625

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/15/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:33 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372629

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/16/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:35 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372633

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/19/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:38 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372640

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/20/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:43 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372655

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/21/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 10:46 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372661

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/22/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:49 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372662

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/23/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:51 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372665

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/26/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:54 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372668

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/27/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:56 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372670

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/28/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 11:58 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372673

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/29/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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
Sent: Monday, August 12, 2024 12:00 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 372677

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 08/30/2024 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda
(432)305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande State Com 521H release area (32.69156, -104.15495)

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 <OCDOnline@state.nm.us>
Sent: Tuesday, October 22, 2024 9:34 AM
To: Connor Walker <cwalker@mewbourne.com>
Subject: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 385266

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#) nAPP2418546373, for the following reasons:

- **The Remediation Closure Report is Denied. The release will need to be remediated to the strictest closure criteria standards due to the lateral extents of the release being within 300 ft of a significant watercourse. Part 2 definition: "Watercourse" means a river, creek, arroyo, canyon, draw or wash or other channel having definite banks and bed with visible evidence of the occasional flow of water. Due to the sensitive nature of the release location and the watercourse directly north of the pad, vertical/horizontal delineation should meet the strictest closure criteria standards of <50' depth to groundwater.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 385266.

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,
Robert Hamlet
575-748-1283

Robert.Hamlet@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
Sent: Monday, January 27, 2025 1:53 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425127

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 01/29/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, January 27, 2025 1:56 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425133

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 01/30/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, January 27, 2025 1:58 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425139

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 01/31/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, January 27, 2025 2:01 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425141

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/03/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, January 27, 2025 2:03 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425145

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/04/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, January 27, 2025 2:06 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425148

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/05/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, January 27, 2025 2:08 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425151

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/06/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, January 27, 2025 2:10 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 425153

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/07/2025 @ 07:30

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, February 10, 2025 5:18 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 430272

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/12/2025 @ 07:00

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, February 10, 2025 5:21 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 430277

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/13/2025 @ 07:00

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, February 10, 2025 5:23 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 430281

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/14/2025 @ 07:00

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, February 10, 2025 5:25 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 430288

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/17/2025 @ 07:00

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

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
Sent: Monday, February 10, 2025 5:27 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 430295

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#) nAPP2418546373.

The sampling event is expected to take place:

When: 02/18/2025 @ 07:00

Where: D-02-19S-28E 0 FNL 0 FEL (32.69156,-104.15494)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Co Rd 235 and Co Rd 245 (32.678216, -104.148579), head W on Co Rd 235 for 0.43 mi, then N for 0.94 mi, then E for 0.03 mi to arrive at the Rio Grande 2-1 #521H release area (32.69156, -104.15495)

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 448454

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418546373
Incident Name	NAPP2418546373 RIO GRANDE 2-1 #521H @ 30-015-49891
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-49891] RIO GRANDE STATE COM #521H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Rio Grande 2-1 #521H
Date Release Discovered	06/21/2024
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: Human Error Tank (Any) Produced Water Released: 125 BBL Recovered: 36 BBL Lost: 89 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 448454

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	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: 07/03/2024
--	---

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 448454

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1 and 5 (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 500 and 1000 (ft.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	24000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	38500
GRO+DRO (EPA SW-846 Method 8015M)	29200
BTEX (EPA SW-846 Method 8021B or 8260B)	77.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

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	08/08/2024
On what date will (or did) the final sampling or liner inspection occur	02/12/2025
On what date will (or was) the remediation complete(d)	02/18/2025
What is the estimated surface area (in square feet) that will be reclaimed	36855
What is the estimated volume (in cubic yards) that will be reclaimed	2730
What is the estimated surface area (in square feet) that will be remediated	36855
What is the estimated volume (in cubic yards) that will be remediated	1864

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.

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

General Information
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 448454

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	LEA LAND LANDFILL [fEEM0112342028]
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	Not answered.
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.
<i>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>	
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: 04/03/2025
<i>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.</i>	

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 5

Action 448454

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	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

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

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Phone: (505) 629-6116

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

QUESTIONS, Page 6

Action 448454

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	430295
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/18/2025
What was the (estimated) number of samples that were to be gathered	21
What was the sampling surface area in square feet	4200

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	36855
What was the total volume (cubic yards) remediated	1864
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Please see attached report for complete details.

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: 04/03/2025
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 448454

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	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 448454

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 448454
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2418546373 RIO GRANDE 2-1 #521H, thank you. This Remediation Closure Report is approved.	4/4/2025