

| | |
|----------------|----------------|
| Incident ID | nAPP2127433772 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>135</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

| | |
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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.

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 3/18/2022

email: cwalker@mewbourne.com Telephone: (806) 202-5281

OCD Only

Received by: _____ Date: _____

| | |
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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 3/18/2022
email: cwalker@mewbourne.com Telephone: (806) 202-5281

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 04/28/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

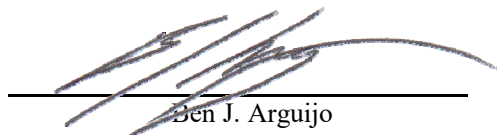
Remediation Summary & Soil Closure Request

Mewbourne Oil Company Zach 17/8 W1MD Fed Com #1H Battery

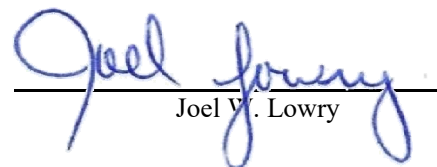
Lea County, New Mexico
Unit Letter "M", Section 17, Township 26 South, Range 33 East
Latitude 32.03663 North, Longitude 103.599588 West
NMOCD Reference No. nAPP2127433772

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2507 79th Street, Unit A
Lubbock, Texas 79423



Ben J. Arguijo



Joel V. Lowry



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 (Mewbourne), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Zach 17/8 W1MD Fed Com #1H Battery (henceforth, "Zach 17/8"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.03663 Longitude: -103.599588

Provided GPS are in WGS84 format.

| | |
|---|----------------------------|
| Site Name: Zach 17/8 W1MD Fed Com #1H Battery | Site Type: Tank Battery |
| Date Release Discovered: 9/20/2021 | API # (if applicable): N/A |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| "M" | 17 | 26S | 33E | Lea |

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) 2,525 | Volume Recovered (bbls) 200 |
| | Is the concentration of total dissolved solids (TDS) 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: Frac tanks overflowed | | |

Initial Response

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. |
| <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. |
| <input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices |
| <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System. Copies of all correspondence related to the release are provided in Appendix E.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Zach 17/8 release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

| | | | | |
|---|---|--|--|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 135' | | | |
| Did the release impact groundwater or surface water? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | | |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | | |
| Did the release impact areas not on an exploration, development, production or storage site? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | | |

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & Wildlife Services (FWS) shapefiles, topographic maps, NMOSE and USGS databases, and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Zach 17/8 release site are as follows:

| Probable Depth to Groundwater | Constituent | Laboratory Analytical Method | Closure Criteria*† | Reclamation Standard*‡ |
|-------------------------------|--|-----------------------------------|--------------------|------------------------|
| 135' | 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)

† 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

From October 4 through 8, 2021, an initial site assessment was conducted by a third-party environmental contractor that is no longer affiliated with the site. During the initial site assessment, a series of 64 hand-augered soil bores and/or test trenches (SD-1 through SD-64) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the soil bores/test trenches, soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit.

A total of 64 delineation soil samples (SD-1 @ 3' through and SD-64 @ 3') were submitted to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined, and soil was not affected above the NMOCD Closure Criteria beyond three (3) feet below ground surface (bgs) in the areas characterized by sample points SD-1 through SD-64. However, additional delineation was required to determine the horizontal extent of impacted soil.

The locations of the hand-augered soil bores/test trenches are depicted in Figure 3A, "Site & Sample Location Map (Delineation)". Soil chemistry data is summarized in Table 1. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

In November 2021, Mewbourne contracted Etech to assume remediation activities for the release.

5.0 REMEDIATION ACTIVITIES SUMMARY

On December 1, 2021, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a Hach Quantab® chloride test kit were utilized to field-screen the vertical and horizontal 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Etech collected six (6) confirmation soil samples (NW 3, NW 4, SW 3, SW 4, FL 4 @ 3', and FL 5 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. TPH and BTEX concentrations were also below the applicable laboratory method detection limit (MDL). Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 3 and SW 4 to 176 mg/kg in soil sample FL 4 @ 3'.

On December 2, 2021, Etech collected 28 confirmation soil samples (NW 5 through NW 14, SW 5 through SW 14, and FL 6 @ 3' through FL 13 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 7, NW 11, NW 12, NW 14, SW 5, SW 6, SW 10, SW 11, SW 13, SW 14, and FL 11 @ 3' to 160 mg/kg in soil sample FL 13 @ 3'.

On December 3, 2021, Etech collected 27 confirmation soil samples (NW 15 through NW 24, SW 15 through SW 24, and FL 14 @ 3' through FL 20 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 18, NW 19, NW 23, NW 24, SW 16, and SW 22 to 240 mg/kg in soil sample SW 19.

On December 7, 2021, Etech collected 25 confirmation soil samples (NW 25 through NW 33, SW 25 through SW 33, WW 1, and FL 21 @ 3' through FL 26 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX, TPH, and chloride concentrations were also below the applicable laboratory MDL in a majority of the samples, with the exceptions of soil samples NW 27, NW 30, SW 30, SW 31, SW 32, FL 22 @ 3', and FL 26 @ 3', which exhibited chloride concentrations ranging from 16.0 mg/kg (NW 27 and FL 22 @ 3') to 384 mg/kg (SW 30).

On December 8, 2021, Etech collected seven (7) confirmation soil samples (NW 1, NW 2, SW 1, SW 2, FL 1 @ 3', FL 2 @ 3', and FL 3 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample FL 3 @ 4' to 224 mg/kg in soil sample NW 2.

On December 9, 2021, Etech collected 22 confirmation soil samples (NW 34 through NW 39, SW 34 through SW 39, SW 42, SW 43, FL 27 @ 4' through FL 32 @ 3', FL 36 @ 3', and FL 38 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample SW 35 to 320 mg/kg in soil sample FL 31 @ 3'.

On December 10, 2021, Etech collected 15 confirmation soil samples (NW 43 through NW 48, SW 44 through SW 48, and FL 39 @ 3' through FL 42 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 43, NW 44, and SW 46 to 224 mg/kg in soil sample FL 39 @ 3'.

On December 16, 2021, Etech collected 17 confirmation soil samples (NW 52 through NW 54, EW 1 through EW 4, SW 53, WW 2, WW 3, WW 4, and FL 47 @ 3.5' through FL 52 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples EW 2, EW 3, and EW 4 to 400 mg/kg in soil sample FL 52 @ 4'.

On December 17, 2021, Etech collected seven (7) confirmation soil samples (NWA, NWB, WWA, FLA @ 1.5', FLB @ 1.5', FLC @ 1.5', and FLD @ 1.5') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample NWB to 336 mg/kg in soil sample FLA @ 1.5'.

On December 20, 2021, Etech collected seven (7) confirmation soil samples (SW 53, SW 54, SW 55, and FL 53 @ 4' through FL 56 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples SW 53, SW 54, and SW 55 to 288 mg/kg in soil sample FL 53 @ 4'.

On December 30, 2021, Etech collected 17 confirmation soil samples (NW 40, NW 41, NW 49, NW 50, NW 51, SW 40, SW 41, SW 49 through SW 52, FL 33, FL 34, and FL 43 through FL 46) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 40 and SW 50 to 384 mg/kg in soil sample FL 43.

On January 7, 2022, Etech collected five (5) confirmation soil samples (NW 42, WW 5, WW 7, FL 35 @ 3', and FL 37 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples WW 7 and FL 37 @ 3' to 16.0 mg/kg in soil samples NW 42, WW 5, and FL 35 @ 3'.

The final dimensions of the excavated area were approximately 2,515 feet in length, five (5) to 200 feet in width, and 1.5 to three (3) feet in depth. During the course of remediation activities, Etech transported approximately 6,956 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 6,960 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, "Site & Sample Location Map (Excavation)". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was contoured and compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency- and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

7.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Zach 17/8 release site.

8.0 LIMITATIONS

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

This report has been prepared for the benefit of 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 1

1220 South St. Francis Drive

Santa Fe, NM 87505

United States Department of the Interior

Bureau of Land Management

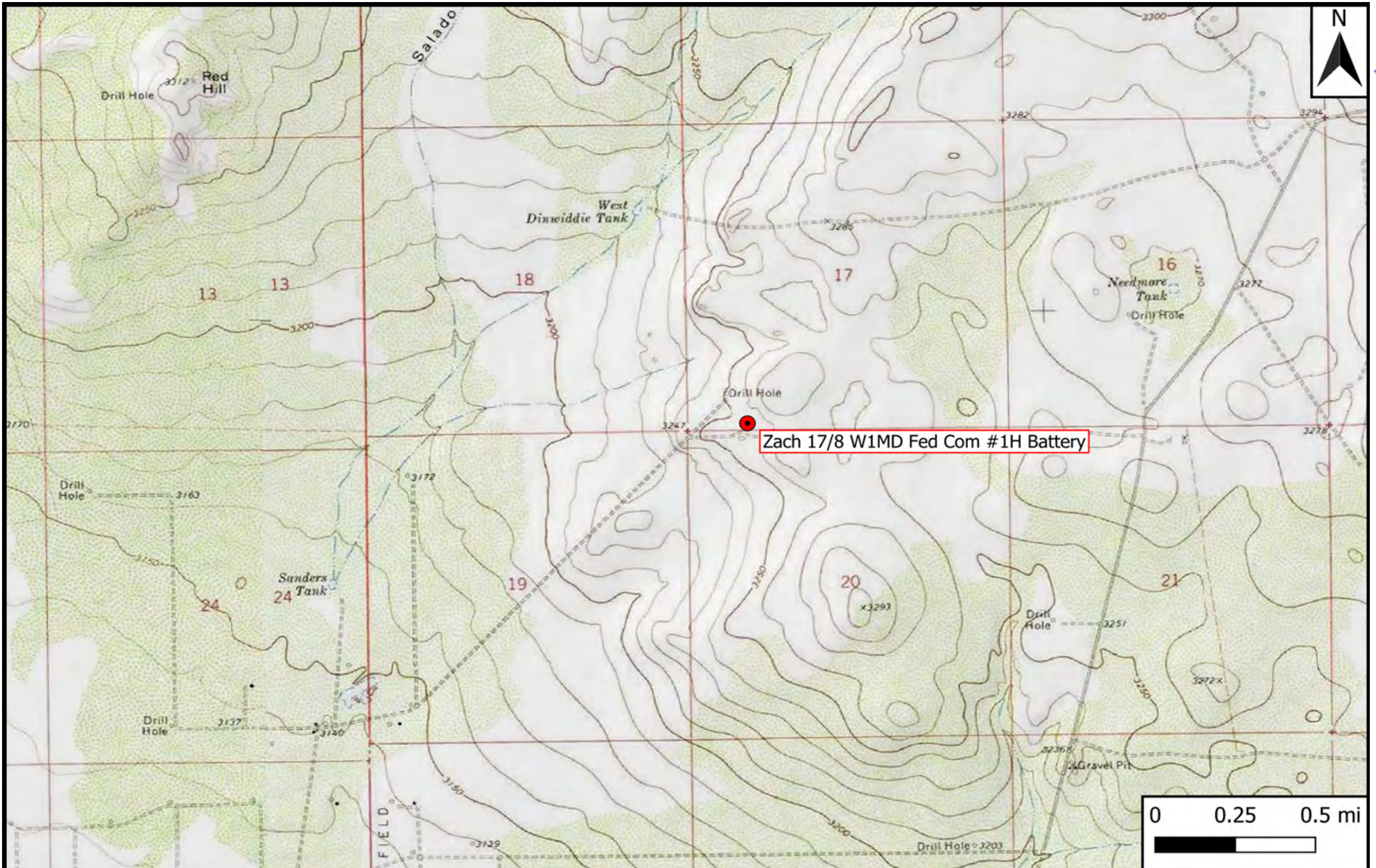
620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Topographic Map



Legend
 ● Site Location

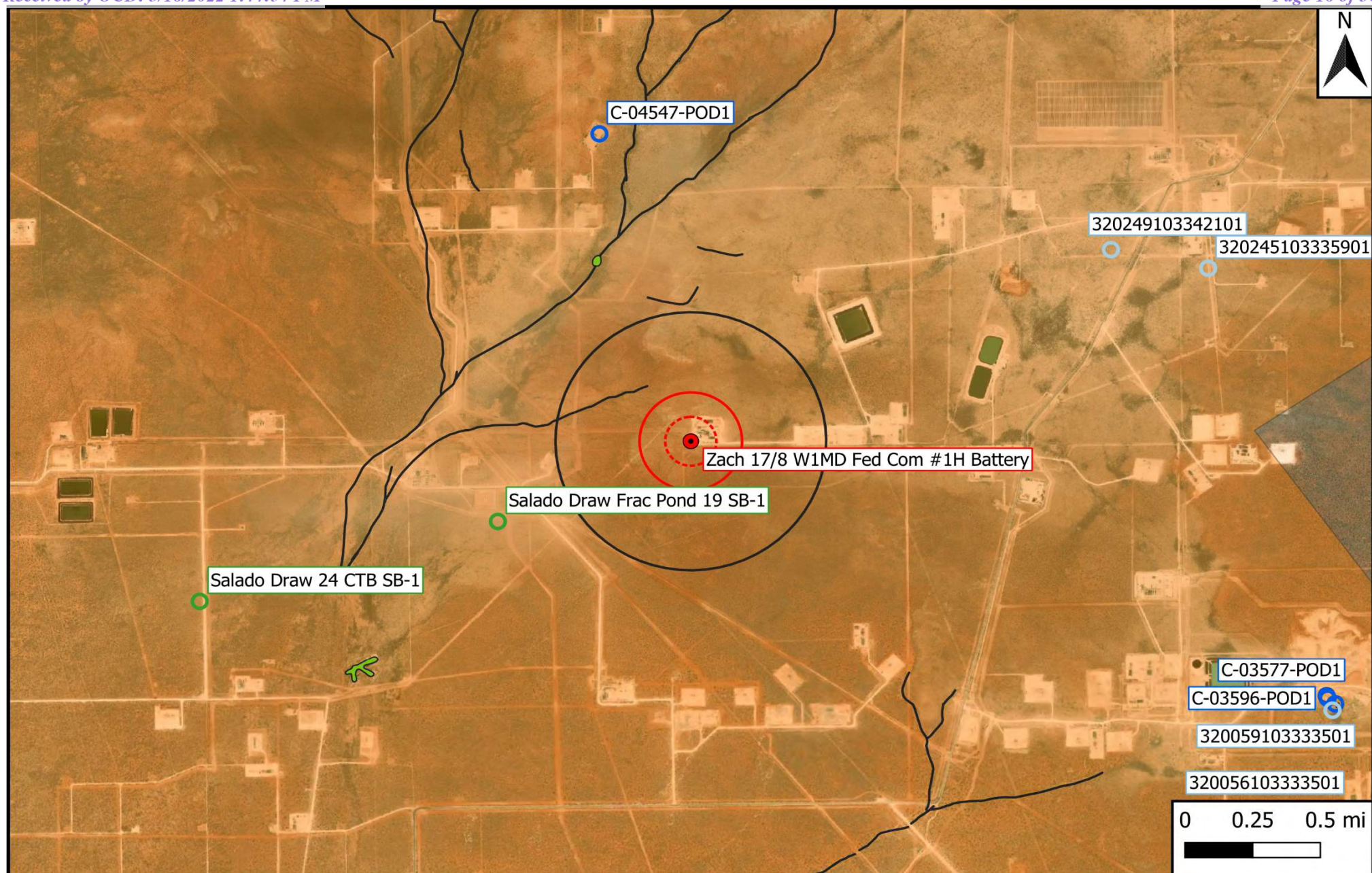
Figure 1
 Topographic Map
 Mewbourne Oil Company
 Zach 17/8 W1MD Fed Com #1H Battery
 GPS: 32.03663, -103.599588
 Lea County



Drafted: bja Checked: jwl Date: 1/31/22

Figure 2

Aerial Proximity Map



Legend

- | | | |
|------------------------------|----------------------------|-----------------|
| ● Site Location | 1% Annual Flood Chance | 500-Ft Radius |
| ○ Well - NMOSE | Emergent/Forested Wetlands | 1,000-Ft Radius |
| ○ Well - USGS | Freshwater Pond/Lake | 0.5-Mi Radius |
| ○ Well - Exploratory/Monitor | Medium/High Karst | |
| — Potash Mine Workings | Riverine | |

Figure 2

Aerial Proximity Map
 Mewbourne Oil Company
 Zach 17/8 W1MD Fed Com #1H Battery
 GPS: 32.03663, -103.599588
 Lea County



Drafted: bja

Checked: jwl

Date:

1/31/22

Figure 3A & 3B Site & Sample Location Maps

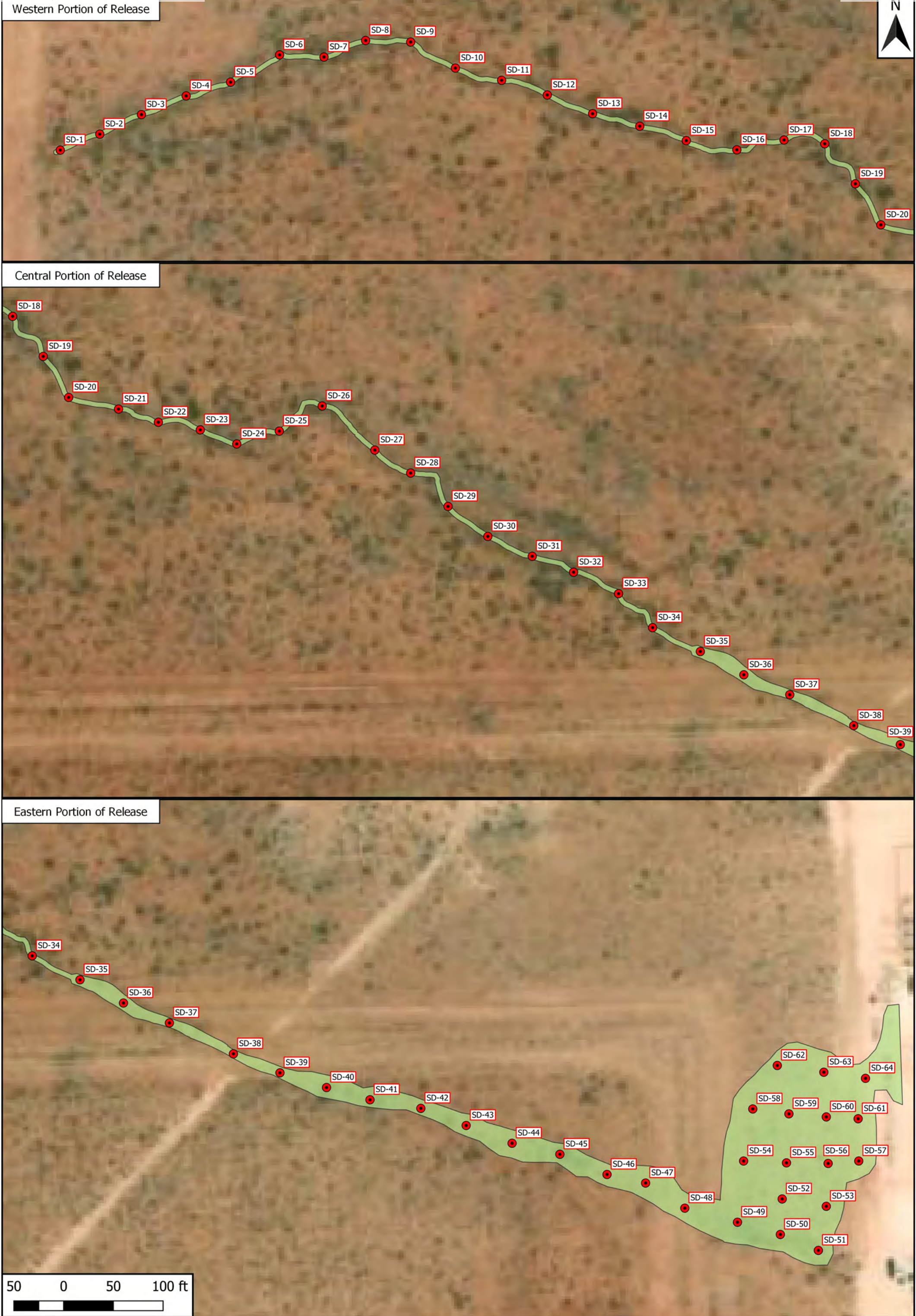




Table 1
Concentrations of BTEX, TPH & Chloride in Soil

| Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Zach 17/8 W1MD Fed Com #1H Battery NMOCD Ref. #: nAPP2127433772 | | | | | | | | | | | |
|--|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| Delineation Samples | | | | | | | | | | | |
| SD-1 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-2 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-3 @ 3' | 10/4/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-4 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-5 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-6 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-7 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-8 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-9 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-10 @ 3' | 10/4/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-11 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-12 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-13 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-14 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-15 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-16 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-17 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-18 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-19 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-20 @ 3' | 10/6/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-21 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-22 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-23 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-24 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-25 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-26 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-27 @ 3' | 10/7/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-28 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-29 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-30 @ 3' | 10/7/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-31 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-32 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-33 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-34 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-35 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-36 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-37 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-38 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-39 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-40 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Zach 17/8 WIMD Fed Com #1H Battery
NMOCD Ref. #: nAPP2127433772

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 600 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 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) |
| SD-41 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-42 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-43 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-44 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-45 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-46 @ 3' | 10/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-47 @ 3' | 10/7/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-48 @ 3' | 10/7/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-49 @ 3' | 10/7/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-50 @ 3' | 10/7/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-51 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-52 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-53 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-54 @ 3' | 10/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-55 @ 3' | 10/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-56 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-57 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-58 @ 3' | 10/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-59 @ 3' | 10/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-60 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-61 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-62 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-63 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SD-64 @ 3' | 10/8/2021 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| Excavation Samples | | | | | | | | | | | |
| NW 1 | 12/8/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| NW 2 | 12/8/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| NW 3 | 12/1/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 4 | 12/1/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 5 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| NW 6 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 7 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 8 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 9 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| NW 10 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 11 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 12 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 13 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 14 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 15 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 16 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

| Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Zach 17/8 W1MD Fed Com #1H Battery NMOCD Ref. #: nAPP2127433772 | | | | | | | | | | | |
|---|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| NW 17 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| NW 18 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 19 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 20 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| NW 21 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| NW 22 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 23 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 24 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 25 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 26 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 27 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 28 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 29 | 12/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 30 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 31 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 32 | 12/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 33 | 12/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 34 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 35 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| NW 36 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 37 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 38 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| NW 39 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| NW 40 | 12/30/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 41 | 12/30/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 42 | 1/7/2022 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 43 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 44 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| NW 45 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 46 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| NW 47 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| NW 48 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| NW 49 | 12/30/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| NW 50 | 12/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| NW 51 | 12/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| NW 52 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| NW 53 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| NW 54 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| NWA | 12/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NWB | 12/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW 1 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Zach 17/8 WIMD Fed Com #1H Battery
NMOCD Ref. #: nAPP2127433772

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 600 |
|----------------------------|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 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) |
| EW 2 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW 3 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW 4 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 1 | 12/8/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 2 | 12/8/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 3 | 12/1/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| SW 4 | 12/1/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 5 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 6 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 7 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 8 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 9 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 10 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 11 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 12 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 13 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 14 | 12/2/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 15 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 16 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 17 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 18 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| SW 19 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| SW 20 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SW 21 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 22 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 23 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 24 | 12/3/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 25 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 26 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 27 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 28 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 29 | 12/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 30 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| SW 31 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| SW 32 | 12/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 33 | 12/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 34 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 35 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 36 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 37 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SW 38 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Zach 17/8 WIMD Fed Com #1H Battery
NMOCD Ref. #: nAPP2127433772

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 600 |
|----------------------------|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 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) |
| SW 39 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| SW 40 | 12/30/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| SW 41 | 12/30/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| SW 42 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SW 43 | 12/9/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| SW 44 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 45 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 46 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 47 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| SW 48 | 12/10/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| SW 49 | 12/30/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 50 | 12/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SW 51 | 12/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SW 52 | 12/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SW 53 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| SW 53 | 12/20/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SW 54 | 12/20/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SW 55 | 12/20/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| WW 1 | 12/7/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WW 2 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| WW 3 | 12/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| WW 4 | 12/16/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| WW 5 | 1/7/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| WW 7 | 1/7/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WWA | 12/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 1 @ 3' | 12/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 2 @ 3' | 12/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 3 @ 4' | 12/8/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| FL 4 @ 3' | 12/1/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 5 @ 3' | 12/1/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 6 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 7 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 8 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FL 9 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 10 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 11 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| FL 12 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 13 @ 3' | 12/2/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 14 @ 3' | 12/3/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 15 @ 3' | 12/3/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 16 @ 3' | 12/3/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Zach 17/8 WIMD Fed Com #1H Battery
NMOCD Ref. #: nAPP2127433772

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 600 |
|----------------------------|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 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 17 @ 3' | 12/3/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 18 @ 3' | 12/3/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 19 @ 3' | 12/3/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FL 20 @ 3' | 12/3/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 21 @ 3' | 12/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| FL 22 @ 3' | 12/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 23 @ 3' | 12/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| FL 24 @ 3' | 12/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| FL 25 @ 3' | 12/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| FL 26 @ 3' | 12/7/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 27 @ 4' | 12/9/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 28 @ 3' | 12/9/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 29 @ 3' | 12/9/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 30 @ 4' | 12/9/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 31 @ 3' | 12/9/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 32 @ 3' | 12/9/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 33 | 12/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 34 | 12/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 35 @ 3' | 1/7/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 36 @ 3' | 12/9/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 37 @ 3' | 1/7/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| FL 38 @ 3' | 12/9/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FL 39 @ 3' | 12/10/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 40 @ 3' | 12/10/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FL 41 @ 3' | 12/10/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 42 @ 3' | 12/10/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| FL 43 | 12/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 44 | 12/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FL 45 | 12/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 46 | 12/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 47 @ 3.5' | 12/16/2021 | 3.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 48 | 12/16/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| FL 49 | 12/16/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 50 @ 4' | 12/16/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 51 @ 4' | 12/16/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 52 @ 4' | 12/16/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 53 @ 4' | 12/20/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FL 54 @ 4' | 12/20/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 55 @ 4' | 12/20/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FL 56 @ 4' | 12/20/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FLA @ 1.5' | 12/17/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

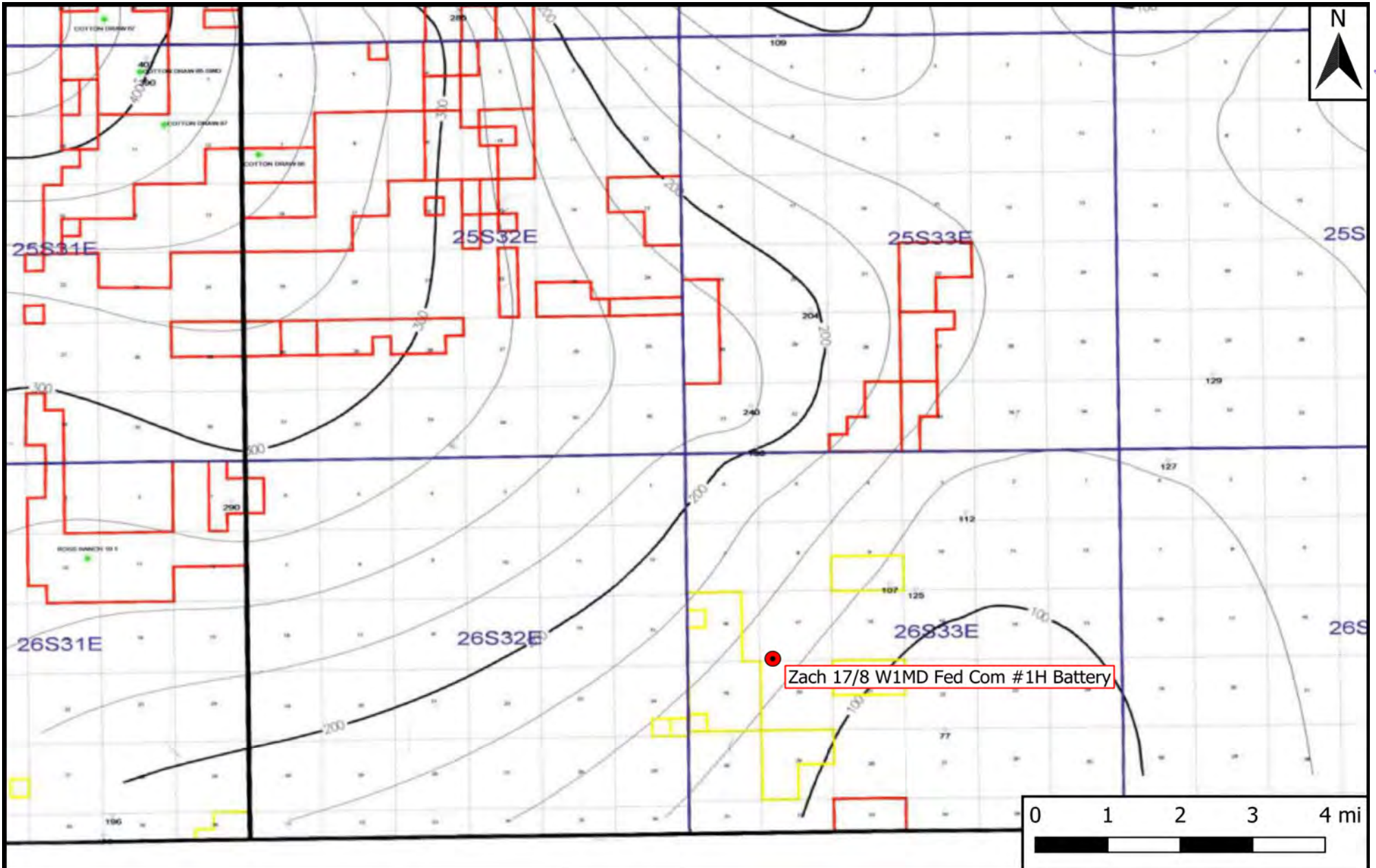
| Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Zach 17/8 W1MD Fed Com #1H Battery NMOCD Ref. #: nAPP2127433772 | | | | | | | | | | | |
|---|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 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) |
| FLB @ 1.5' | 12/17/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FLC @ 1.5' | 12/17/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FLD @ 1.5' | 12/17/2021 | 1.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |

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

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

Appendix A

Depth to Groundwater Information



Legend
 ● Site Location

Figure 4
 Inferred Depth to Groundwater Trend Map
 Mewbourne Oil Company
 Zach 17/8 W1MD Fed Com #1H Battery
 GPS: 32.03663, -103.599588
 Lea County



Drafted: bja Checked: jwl Date: 1/31/22



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|------|---------------|--------|------|------|-----|-----|-----|--------|----------|---------|----------|------------|-------------|--------------|
| C 04547 POD1 | | CUB | LE | 2 | 4 | 4 | 07 | 26S | 33E | 631686 | 3547262 | 1984 | 112 | | |
| C 02273 | | CUB | LE | 1 | 2 | 21 | 26S | 33E | 634549 | 3545134* | | 2329 | 160 | 120 | 40 |

Average Depth to Water: **120 feet**

Minimum Depth: **120 feet**

Maximum Depth: **120 feet**

Record Count: 2

UTM NAD83 Radius Search (in meters):

Easting (X): 632229.58

Northing (Y): 3545353.18

Radius: 3220

*UTM location was derived from PLSS - see Help

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

11/16/21 8:54 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | (quarters are smallest to largest) | | (NAD83 UTM in meters) | |
|------------------------------|------------|--------------------------------------|-----|----|-----|------------------------------------|-----|-----------------------|----------|
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tw | Rng | X | Y |
| | C 02273 | 1 | 2 | 21 | 26S | 33E | | 634549 | 3545134* |
| <hr/> | | | | | | | | | |
| Driller License: 122 | | Driller Company: UNKNOWN | | | | | | | |
| Driller Name: UNKNOWN | | | | | | | | | |
| Drill Start Date: | | Drill Finish Date: 12/31/1930 | | | | Plug Date: | | | |
| Log File Date: | | PCW Rev Date: | | | | Source: | | | |
| Pump Type: | | Pipe Discharge Size: | | | | Estimated Yield: 5 GPM | | | |
| Casing Size: 6.00 | | Depth Well: 160 feet | | | | Depth Water: 120 feet | | | |

*UTM location was derived from PLSS - see Help

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

11/16/21 8:54 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

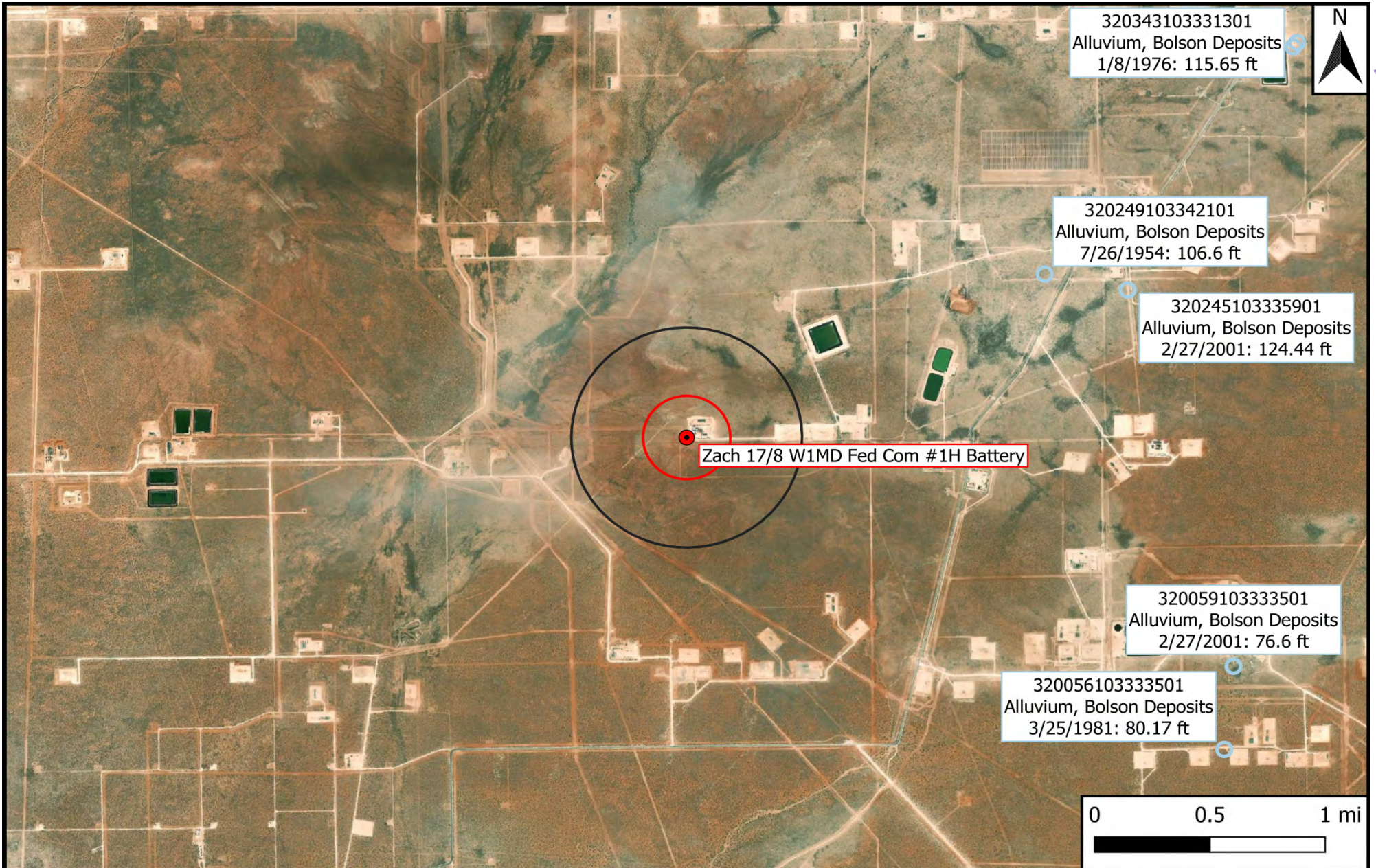
Point of Diversion Summary

| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | (quarters are smallest to largest) | | (NAD83 UTM in meters) | |
|---|--------------|--|-----|-------------------------|-----|------------------------------------|-----|-----------------------|---------|
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tw | Rng | X | Y |
| NA | C 04547 POD1 | 2 | 4 | 4 | 07 | 26S | 33E | 631686 | 3547262 |
| <hr/> | | | | | | | | | |
| Driller License: 1249 | | Driller Company: ATKINS ENGINEERING ASSOC. INC. | | | | | | | |
| Driller Name: ATKINS, JACKIE D.UELENER | | | | | | | | | |
| Drill Start Date: 07/15/2021 | | Drill Finish Date: 07/15/2021 | | Plug Date: | | | | | |
| Log File Date: 08/02/2021 | | PCW Rev Date: | | Source: Shallow | | | | | |
| Pump Type: | | Pipe Discharge Size: | | Estimated Yield: | | | | | |
| Casing Size: | | Depth Well: 112 feet | | Depth Water: | | | | | |

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

11/16/21 8:54 AM

POINT OF DIVERSION SUMMARY



- Legend**
- Site Location
 - Well - USGS
 - 1,000-Ft Radius
 - 0.5-Mi Radius

Figure 5
USGS Well Proximity Map
Mewbourne Oil Company
Zach 17/8 W1MD Fed Com #1H Battery
GPS: 32.03663, -103.599588
Lea County



Drafted: bja Checked: jwl Date: 1/31/22



USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater ▼

Geographic Area:

United States ▼

GO

Click for News Bulletins

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320249103342101

Minimum number of levels = 1

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

USGS 320249103342101 26S.33E.09.443142

Lea County, New Mexico

Latitude 32°02'49", Longitude 103°34'21" NAD27

Land-surface elevation 3,283 feet above NAVD88

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

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

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|------------|------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| 1954-07-26 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 1954-07-26 | | | D | 72019 | 106.60 | | 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 |
| 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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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2022-03-13 23:22:47 EDT

0.44 0.3 nadww01



Appendix B

Field Data & Soil Profile Logs



3rd : NW 34
FL 27 SW 34

Sample Log

Date:

12/9/21

Project:

Project Number:

15048

Latitude:

Longitude:

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|---------------|------------------|----------------|--------------------------|
| FL 27 @ 3' | — | 4.2 656 | ★ |
| FL 28 @ 3' | — | 2.8 240 | |
| FL 29 @ 3' | — | 3.2 404 | |
| FL 30 @ 3' | — | 3.8 548 | ★ |
| SW 34 @ 0-3' | — | 2.8 240 | |
| SW 35 @ 0-3' | — | 2.2 216 | |
| SW 36 @ 0-3' | — | 2.0 184 | |
| SW 37 @ 0-3' | — | 3.0 360 | |
| NW 34 @ 0-3' | — | 2.8 240 | |
| NW 35 @ 0-3' | — | 2.8 332 | ↓ new strips |
| NW 36 @ 0-3' | — | 2.4 260 | |
| NW 37 @ 0-3' | — | 3.0 372 | |
| FL 27 @ 4' | — | 2.8 332 | |
| FL 30 @ 4' | — | 3.8 548 | ? |
| FL 31 @ 3' | — | 3.6 500 | |
| FL 32 @ 3' | — | 3.6 580 | |
| SW 38 @ 0-3' | — | 3.6 500 | |
| SW 39 @ 0-3' | — | 3.4 452 | |
| NW 38 @ 0-3' | — | 2.2 228 | |
| NW 39 @ 0-3' | — | 3.8 548 | ? |
| FL 33 | | 364 | |
| FL 34 | ↑ Placeholder | 292 | |
| FL 35 | ↑ Air excavation | | |
| SW 40 | ↑ round pipe | 364 | |
| SW 41 | | 364 | |
| NW 40 | | 200 | |
| NW 41 | ↓ | 444 | |
| FL 34 36 @ 3' | — | 3.4 452 | |
| SW 42 | — | 1.8 168 | |
| NW 42 | — | 5.0 888 | ★ Wait for other samples |
| FL 37 | — | 3.0 372 | |
| FL 38 | — | 3.6 500 | |
| SW 43 | — | 2.4 260 | |
| NW 43 | — | 6.8 1692 | ★ |

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: 15048 Latitude: _____ Longitude: _____

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|----------------------|----------------|----------------|---------------------|
| NW43 | n/a | 200 | 50 P1eSuf - 7.216 |
| NW44 | n/a | 172 | 50 P1e1' - 3.592 |
| NW45 | n/a | 324 | 50 P1o2' - 372 - R |
| SW44 | n/a | 260 | 50 P2eSuf - 10.076 |
| SW45 | n/a | 364 | 50 P2e1' - 7.216 |
| FL30 @ 3' | n/a | 444 | 50 P2o2' - 2.464 |
| FL40 @ 3' | n/a | 200 | 50 P2e3' - 8.88 - R |
| FL41 @ 3' | n/a | 364 | |
| FL42 @ 3' | n/a | 364 | |
| SW46 | n/a | 200 | |
| SW47 | n/a | 260 | |
| SW48 | n/a | 148 | |
| NW46 | n/a | 364 | |
| NW47 | n/a | 242 | |
| NW48 | n/a | 324 | |
| FL43 @ 3' | n/a | 442 | |
| FL44 @ 3' | n/a | 364 | |
| FL45 @ 3' | n/a | 404 | |
| FL46 @ 1.5' | n/a | 364 | |
| SW49 | n/a | 228 | |
| SW50 | n/a | 200 | |
| SW51 | n/a | 364 | |
| NW49 | n/a | 200 | |
| NW50 | n/a | 128 | |
| NW51 | n/a | 324 | |
| FL47 @ 3' | n/a | | |
| SW52 | | 200 | |
| NW52 | | | |
| NW53 | | | |
| FL48 | | | |
| FL49 | | | |
| FL50 | | | |

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: #N/A

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

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|------------|----------|----------------|-----|
| FL 4 @ 3' | n/a | 364 | |
| SW 3 | n/a | 200 | |
| NW 3 | n/a | 200 | |
| FL 5 @ 3' | n/a | 172 | |
| SW 4 | n/a | 148 | |
| NW 4 | n/a | 200 | |
| FL 6 @ 3' | n/a | 364 | |
| FL 7 @ 3' | n/a | 200 | |
| FL 8 @ 3' | n/a | 364 | |
| SW 5 | n/a | 200 | |
| SW 6 | n/a | 242 | |
| SW 7 | n/a | 200 | |
| NW 5 | n/a | 364 | |
| NW 6 | n/a | 324 | |
| NW 7 | n/a | 324 | |
| SW 8 | n/a | 260 | |
| SW 9 | n/a | 200 | |
| SW 10 | n/a | 364 | |
| NW 8 | n/a | 200 | |
| NW 9 | n/a | 148 | |
| NW 10 | n/a | 200 | |
| FL 9 @ 3' | n/a | 200 | |
| FL 10 @ 3' | n/a | 228 | |
| FL 11 @ 3' | n/a | 4120 | |
| SW 11 | n/a | 228 | |
| SW 12 | n/a | 260 | |
| NW 11 | n/a | 200 | |
| NW 12 | n/a | 172 | |
| FL 12 @ 3' | n/a | 404 | |
| SW 13 | n/a | 200 | |
| NW 13 | n/a | 228 | |
| FL 13 @ 3' | n/a | 172 | |
| SW 14 | n/a | 364 | |
| NW 14 | n/a | 200 | |
| FL 14 @ 3' | n/a | 292 | |
| FL 15 @ 3' | n/a | 364 | |

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: 15048 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: 12-16-21

Project: ~~00000~~ Zach 17-8 WIMD Fed Com IH

Project Number: 15048 Latitude: 32.03663

Longitude: -103.599588

Eric

West of area WWA-4 and east to see where they are

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|--------------------------|----------|----------------|-------------------|
| NW53 | | 168 | 1 est. f. - 6664 |
| NW54 | - | 140 | 2 est. f. - 8496 |
| SW53 | - | 168 | 3 est. f. - 14680 |
| EW1 | | 2264 196 | |
| EW2 | - | 196 | |
| EW3 | - | 168 | |
| EW4 | - | 116 | |
| FL48 FL48e1.4 | - | 140 | |
| FL49e1.4 | - | 116 | |
| FL50e4' FL50e4 1/2' | | 3076 452 | |
| FL51e4 | - | 536 | |
| WW2 | - | 1816 260 | |
| WW3 | - | 2464 548 | |
| WW4 | - | 168 | |
| FL52e4' | - | 500 | |
| FL47e3 1/2' | - | 196 | |
| NW52 | - | 168 | |
| WWA | - | 760 228 | |
| FL4e1 1/2' | - | 404 | |
| FLB e1 1/2' | - | 364 | |
| NWA | - | 168 | |
| NWB | - | 196 | |
| FLC e1 1/2' | - | 148 | |
| FLD e1 1/2' | - | 200 | |
| FL53 @ 4' | - | 592 444 | |
| FL54 @ 4' | - | 364 | |
| FL55 @ 4' | - | 200 | |
| FL56 @ 4' | - | 364 | |
| SW53 | - | 200 | |
| SW54 | - | 364 | |
| SW55 | - | 324 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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: Southeast | |
| Photo Description: View of the affected area. | |


| | |
|---|--|
| Photo Number: 2 |  |
| Photo Direction: South | |
| Photo Description: View of the affected area. | |


Photographic Log

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

| | |
|---|--|
| Photo Number: 4 |  |
| Photo Direction: East-Northwest | |
| Photo Description: View of the affected area. | |

Photographic Log

| | |
|---|--|
| Photo Number: 5 |  |
| Photo Direction: Northwest | |
| Photo Description: View of the affected area. | |


| | |
|---|--|
| Photo Number: 6 |  |
| Photo Direction: West-Northwest | |
| Photo Description: View of the affected area. | |

Photographic Log

| | |
|---|--|
| Photo Number: 7 |  |
| Photo Direction: Southeast | |
| Photo Description: View of the affected area. | |

| | |
|--|--|
| Photo Number: 8 |  |
| Photo Direction: Southwest | |
| Photo Description: View of the excavated area. | |

Photographic Log

| | |
|--|--|
| Photo Number: 9 |  |
| Photo Direction: East | |
| Photo Description: View of the excavated area. | |

| | |
|--|--|
| Photo Number: 10 |  |
| Photo Direction: East | |
| Photo Description: View of the excavated area. | |


Photographic Log

| | |
|--|--|
| Photo Number: 11 |  |
| Photo Direction: East | |
| Photo Description: View of the excavated area. | |


| | |
|--|--|
| Photo Number: 12 |  |
| Photo Direction: East | |
| Photo Description: View of the excavated area. | |


Photographic Log

| | |
|--|---|
| Photo Number: 13 |  <p>February 18, 2022 at 1:02 PM +32.038536,-103.606527</p> |
| Photo Direction: East-Northeast | |
| Photo Description: View of the excavated area. | |


| | |
|--|---|
| Photo Number: 14 |  <p>February 18, 2022 at 1:42 PM +32.036741,-103.600097</p> |
| Photo Direction: East-Northeast | |
| Photo Description: View of the remediated area after backfill and regrading. | |


Photographic Log

| | |
|--|---|
| Photo Number: 15 | <div>February 18, 2022 at 1:42 PM +32.036741,-103.600097</div>  |
| Photo Direction: Northeast | |
| Photo Description: View of the remediated area after backfill and regrading. | |


| | |
|--|---|
| Photo Number: 16 | <div>February 18, 2022 at 1:41 PM +32.036741,-103.600097</div>  |
| Photo Direction: West | |
| Photo Description: View of the remediated area after backfill and regrading. | |


Photographic Log

| | |
|--|---|
| Photo Number: 17 | <div>February 18, 2022 at 1:41 PM +32.037234,-103.601354</div>  |
| Photo Direction: Northwest | |
| Photo Description: View of the remediated area after backfill and regrading. | |


| | |
|--|---|
| Photo Number: 18 | <div>February 18, 2022 at 1:40 PM +32.037448,-103.602088</div>  |
| Photo Direction: Southeast | |
| Photo Description: View of the remediated area after backfill and regrading. | |


Photographic Log

| | |
|--|---|
| Photo Number: 19 | <div>February 18, 2022 at 1:40 PM +32.037234,-103.601354</div>  |
| Photo Direction: East | |
| Photo Description: View of the remediated area after backfill and regrading. | |

| | |
|--|---|
| Photo Number: 20 | <div>February 18, 2022 at 1:39 PM +32.038154,-103.604061</div>  |
| Photo Direction: East | |
| Photo Description: View of the remediated area after backfill and regrading. | |

Photographic Log

| | |
|--|---|
| Photo Number: 21 | <div>February 18, 2022 at 1:38 PM +32.038651,-103.605806</div>  |
| Photo Direction: East | |
| Photo Description: View of the remediated area after backfill and regrading. | |

| | |
|--|---|
| Photo Number: 22 | <div>February 18, 2022 at 1:38 PM +32.038203,-103.606719</div>  |
| Photo Direction: Northeast | |
| Photo Description: View of the remediated area after backfill and regrading. | |

Appendix D

Laboratory Analytical Reports



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

October 12, 2021

JOHN FARRELL

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 10/08/21 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/04/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 1 @ 3' (H212826-01)

| BTX 8021B | | | mg/kg | | Analyzed By: CK | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | QR-03 |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: GM | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/04/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 2 @ 3' (H212826-02)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 3 @ 3' (H212826-03)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/04/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 4 @ 3' (H212826-04)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 5 @ 3' (H212826-05)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 6 @ 3' (H212826-06)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 7 @ 3' (H212826-07)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/04/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 8 @ 3' (H212826-08)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/04/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 9 @ 3' (H212826-09)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 10 @ 3' (H212826-10)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 11 @ 3' (H212826-11)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 12 @ 3' (H212826-12)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 13 @ 3' (H212826-13)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.3 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 14 @ 3' (H212826-14)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 15 @ 3' (H212826-15)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 16 @ 3' (H212826-16)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 7.83 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 221 | 111 | 200 | 12.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/05/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 17 @ 3' (H212826-17)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTEX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.4 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 18 @ 3' (H212826-18)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.9 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 19 @ 3' (H212826-19)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.08 | 104 | 2.00 | 4.22 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.01 | 101 | 2.00 | 4.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.98 | 99.2 | 2.00 | 4.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 6.06 | 101 | 6.00 | 3.43 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.9 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/05/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 20 @ 3' (H212826-20)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.2 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 21 @ 3' (H212826-21)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.6 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/06/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 22 @ 3' (H212826-22)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 23 @ 3' (H212826-23)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.0 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 24 @ 3' (H212826-24)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.1 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 25 @ 3' (H212826-25)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.9 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 26 @ 3' (H212826-26)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.5 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/06/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 27 @ 3' (H212826-27)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/06/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 28 @ 3' (H212826-28)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.0 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/06/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 29 @ 3' (H212826-29)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/06/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 30 @ 3' (H212826-30)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.0 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 31 @ 3' (H212826-31)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.7 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/07/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 32 @ 3' (H212826-32)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.8 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 33 @ 3' (H212826-33)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | |
| Total BTEX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.5 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 34 @ 3' (H212826-34)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | |
| Total BTEX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.6 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/07/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 35 @ 3' (H212826-35)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.0 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/07/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 36 @ 3' (H212826-36)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTX | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 204 | 102 | 200 | 15.5 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 195 | 97.3 | 200 | 26.3 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 37 @ 3' (H212826-37)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 118 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 38 @ 3' (H212826-38)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.2 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 39 @ 3' (H212826-39)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.07 | 103 | 2.00 | 2.47 | |
| Toluene* | <0.050 | 0.050 | 10/10/2021 | ND | 2.00 | 100 | 2.00 | 2.29 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/10/2021 | ND | 1.96 | 97.9 | 2.00 | 2.51 | |
| Total Xylenes* | <0.150 | 0.150 | 10/10/2021 | ND | 5.95 | 99.2 | 6.00 | 1.91 | |
| Total BTEx | <0.300 | 0.300 | 10/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.3 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/07/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 40 @ 3' (H212826-40)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.0 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/07/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 41 @ 3' (H212826-41)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.0 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 42 @ 3' (H212826-42)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.7 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 43 @ 3' (H212826-43)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 44 @ 3' (H212826-44)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 45 @ 3' (H212826-45)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.3 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 46 @ 3' (H212826-46)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.3 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 47 @ 3' (H212826-47)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.3 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 48 @ 3' (H212826-48)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 49 @ 3' (H212826-49)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 50 @ 3' (H212826-50)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/08/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 51 @ 3' (H212826-51)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.0 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 52 @ 3' (H212826-52)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: CK | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 108 | 200 | 8.35 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 109 | 200 | 8.16 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 93.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.0 % 38.9-142

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Analytical Results For:

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 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 53 @ 3' (H212826-53)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.4 % 38.9-142

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 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 54 @ 3' (H212826-54)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.8 % 38.9-142

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 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 55 @ 3' (H212826-55)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

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 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 56 @ 3' (H212826-56)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | | |
| Total BTEx | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 108 | 200 | 8.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 217 | 109 | 200 | 8.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.3 % 38.9-142

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 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 57 @ 3' (H212826-57)

| BTX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.81 | 90.7 | 2.00 | 11.8 | | |
| Toluene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.84 | 91.8 | 2.00 | 11.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/09/2021 | ND | 1.79 | 89.4 | 2.00 | 11.8 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/09/2021 | ND | 5.32 | 88.7 | 6.00 | 12.6 | | |
| Total BTX | <0.300 | 0.300 | 10/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Analytical Results For:

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 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 58 @ 3' (H212826-58)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/12/2021 | ND | 1.88 | 93.8 | 2.00 | 6.03 | | |
| Toluene* | <0.050 | 0.050 | 10/12/2021 | ND | 1.82 | 91.2 | 2.00 | 6.25 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/12/2021 | ND | 1.79 | 89.6 | 2.00 | 6.17 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/12/2021 | ND | 5.45 | 90.8 | 6.00 | 6.08 | | |
| Total BTEx | <0.300 | 0.300 | 10/12/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 59 @ 3' (H212826-59)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/12/2021 | ND | 1.88 | 93.8 | 2.00 | 6.03 | | |
| Toluene* | <0.050 | 0.050 | 10/12/2021 | ND | 1.82 | 91.2 | 2.00 | 6.25 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/12/2021 | ND | 1.79 | 89.6 | 2.00 | 6.17 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/12/2021 | ND | 5.45 | 90.8 | 6.00 | 6.08 | | |
| Total BTEx | <0.300 | 0.300 | 10/12/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 60 @ 3' (H212826-60)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.92 | 96.2 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.88 | 94.2 | 2.00 | 11.7 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.85 | 92.5 | 2.00 | 11.5 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/11/2021 | ND | 5.62 | 93.7 | 6.00 | 10.7 | | |
| Total BTEx | <0.300 | 0.300 | 10/11/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 10/08/2021
 Reported: 10/12/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - LEA CO NM

Sampling Date: 10/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 61 @ 3' (H212826-61)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.92 | 96.2 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.88 | 94.2 | 2.00 | 11.7 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.85 | 92.5 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 10/11/2021 | ND | 5.62 | 93.7 | 6.00 | 10.7 | |
| Total BTEX | <0.300 | 0.300 | 10/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.7 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 62 @ 3' (H212826-62)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.92 | 96.2 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.88 | 94.2 | 2.00 | 11.7 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.85 | 92.5 | 2.00 | 11.5 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/11/2021 | ND | 5.62 | 93.7 | 6.00 | 10.7 | | |
| Total BTEx | <0.300 | 0.300 | 10/11/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 63 @ 3' (H212826-63)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.92 | 96.2 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.88 | 94.2 | 2.00 | 11.7 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.85 | 92.5 | 2.00 | 11.5 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/11/2021 | ND | 5.62 | 93.7 | 6.00 | 10.7 | | |
| Total BTEx | <0.300 | 0.300 | 10/11/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.4 % 38.9-142

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 JOHN FARRELL
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 10/08/2021 | Sampling Date: | 10/08/2021 |
| Reported: | 10/12/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - LEA CO NM | | |

Sample ID: SD - 64 @ 3' (H212826-64)

| BTEx 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.92 | 96.2 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.88 | 94.2 | 2.00 | 11.7 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/11/2021 | ND | 1.85 | 92.5 | 2.00 | 11.5 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/11/2021 | ND | 5.62 | 93.7 | 6.00 | 10.7 | | |
| Total BTEX | <0.300 | 0.300 | 10/11/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 10/11/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/09/2021 | ND | 216 | 108 | 200 | 3.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/09/2021 | ND | 214 | 107 | 200 | 2.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.2 % 38.9-142

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Notes and Definitions

| | |
|-------|---|
| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| 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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 69 of 73

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|------------------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|
| Company Name: Trinity Oilfield Services & Rentals LLC | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | |
| Project Manager: John Farrell | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>BTEX</div> <div>TPH</div> <div>Chloride</div> </div> | | | | | | | | | |
| Address: 8426 N Dal Paso | | | | Company: Mewbourne Oil Co. | | | | | | | | | | | | | |
| City: Hobbs St NM Zip 88241 | | | | Attn: Robbie Runnels | | | | | | | | | | | | | |
| Phone #: 575 390-7560 Fax #: | | | | Address: 701 S Cecil St. | | | | | | | | | | | | | |
| Project #: | | | | City: Hobbs | | | | | | | | | | | | | |
| Project Owner: john@trinityoilfieldservices.com | | | | State: NM Zip: 88240 | | | | | | | | | | | | | |
| Project Name: Zach 17-8 W1MD Fed Com 1H | | | | Phone #: 5756022188 | | | | | | | | | | | | | |
| Project Location: Lea County, NM | | | | Fax #: | | | | | | | | | | | | | |
| Sampler Name: Kenny | | | | | | | | | | | | | | | | | |

| FOR LAB USE ONLY | | G/RAB OR (C)OMP | # | CONTAINERS | MATRIX | | | | | PRESERV | | | SAMPLING | | DATE | TIME |
|------------------|-------------|-----------------|---|------------|-------------|------------|------|-----|--------|---------|-----------|------------|----------|-----------|------|------|
| Lab I.D. | Sample I.D. | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | | | |
| Hal2824 | | | | | | | | | | | | | | | | |
| 21 | SD-21 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:00 | X |
| 22 | SD-22 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:05 | X |
| 23 | SD-23 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:10 | X |
| 24 | SD-24 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:15 | X |
| 25 | SD-25 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:20 | X |
| 26 | SD-26 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:25 | X |
| 27 | SD-27 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:30 | X |
| 28 | SD-28 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:35 | X |
| 29 | SD-29 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:40 | X |
| 30 | SD-30 @ 3' | G | 1 | | | X | | | | X | | | | 10/6/2021 | 9:45 | X |

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| | | | |
|-------------------------------------|---|-------------------------------------|---|
| Relinquished By: | Date: 10/8/21 Time: 1415 | 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: |
| Time: | | | REMARKS: |
| Delivered By: (Circle One) | Observed Temp. °C 4.0 | Sample Condition | Turnaround Time: Standard <input checked="" type="checkbox"/> Rush |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C 3.5 | CHECKED BY: (Initials) TO | Bacteria (only) Sample Condition |
| | | | Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C |
| | | | Thermometer ID 4413 Correction Factor +0.1 °C TD 10/8/21 Corrected Temp. °C |

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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| | | | | | | | | |
|--|--|---|---|--|--|--|--|--|
| Relinquished By: <i>[Signature]</i> | | Date: <i>10/8/21</i> Time: <i>1415</i> | | Received By: <i>[Signature]</i> | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: | | |
| Relinquished By: | | Date: Time: | | Received By: | | REMARKS: | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | Observed Temp. °C <i>4.0</i> Corrected Temp. °C <i>3.5</i> | Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> | CHECKED BY: (Initials) <i>YO</i> | Turnaround Time: <i>Standard</i> <input checked="" type="checkbox"/> <i>Rush</i> Thermometer ID <i>499</i> <i>416</i> <i>10/8/21</i> Correction Factor +0.1 °C | | | Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C |

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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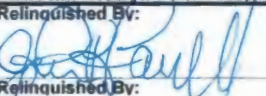
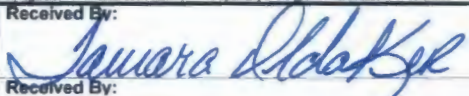
[illegible]

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| | | | | | | | |
|-------------------------------------|--|-----------------------------|--|--|--|--|--|
| Relinquished By: <i>[Signature]</i> | | Date: 10/8/21 Time: 1415 | | Received By: <i>[Signature]</i> | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ | |
| Relinquished By: _____ | | Date: _____ Time: _____ | | Received By: _____ | | All Results are emailed. Please provide Email address: _____ | |
| Delivered By: (Circle One) | | Observed Temp. °C 4.0 | | Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> | | Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> | |
| Sampler - UPS - Bus - Other: _____ | | Corrected Temp. °C 3.5 | | CHECKED BY: (Initials) <i>TD.</i> | | Bacteria (only) Sample Condition Cool Intact Yes Observed Temp. °C | |
| | | | | | | Thermometer ID <i>not #115 to 10/8/21</i> | |
| | | | | | | Correction Factor + 0.3 °C <input type="checkbox"/> Yes <input type="checkbox"/> No <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

| Company Name: Trinity Oilfield Services & Rentals LLC | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------|--|-----------------------------|--|---|--|---|--|--|--|------|--|--|--|--------|--|---------|--|-----------|--|------------|--|---------|--|-----------|--|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Project Manager: John Farrell | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: 8426 N Dal Paso | | | | Company: Mewbourne Oil Co. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs St NM Zip 88241 | | | | Attn: Robbie Runnels | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575 390-7560 Fax #: | | | | Address: 701 S Cecil St. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: john@trinityoilfieldservices.com | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Zach 17-8 W1MD Fed Corn 1H | | | | State: NM Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Lea County, NM | | | | Phone #: 5756022188 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Kenny Page 7 of 7 | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | Lab I.D. | | Sample I.D. | | GIRAB OR (C)OMP # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER : | | ACID/BASE | | ICE / COOL | | OTHER : | | DATE | | TIME | | | | | | | | | | | | | | | | | |
| | | H212826 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 61 | | SD-61 @ 3' | | G 1 | | | | | | | | | | | | | | | | | | | | 10/8/2021 | | 9:50 | | | | | | | | | | | | | | | | | |
| | | 62 | | SD-62 @ 3' | | G 1 | | | | | | | | | | | | | | | | | | | | 10/8/2021 | | 9:55 | | | | | | | | | | | | | | | | | |
| | | 63 | | SD-63 @ 3' | | G 1 | | | | | | | | | | | | | | | | | | | | 10/8/2021 | | 10:00 | | | | | | | | | | | | | | | | | |
| | | 64 | | SD-64 @ 3' | | G 1 | | | | | | | | | | | | | | | | | | | | 10/8/2021 | | 10:05 | | | | | | | | | | | | | | | | | |
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| Relinquished By:  | | | | Date: 10/8/21 Time: 4:15 | | Received By:  | | | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Observed Temp. °C 4.0 | | Sample Condition | | | | CHECKED BY: (Initials) T.O. | | | | Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113 TP 10/8/21 Correction Factor +0.2 °C Cool Intact Observed Temp. °C Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: | | | | Corrected Temp. °C 3.5 | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

January 06, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 01/03/22 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 40 (H220004-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | |
| Total BTX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 211 | 106 | 200 | 0.684 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 199 | 99.5 | 200 | 2.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.6 % 59.5-142

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*=Accredited Analyte

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Mike Snyder For 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: | 01/03/2022 | Sampling Date: | 12/30/2021 |
| Reported: | 01/06/2022 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: NW 41 (H220004-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | |
| Total BTEX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 211 | 106 | 200 | 0.684 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 199 | 99.5 | 200 | 2.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.9 % 59.5-142

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Mike Snyder For 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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 49 (H220004-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | |
| Total BTEX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 211 | 106 | 200 | 0.684 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 199 | 99.5 | 200 | 2.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.4 % 59.5-142

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Analytical Results For:

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

Received: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 50 (H220004-04)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | | |
| Total BTEX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 211 | 106 | 200 | 0.684 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 199 | 99.5 | 200 | 2.90 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 51 (H220004-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | |
| Total BTEX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 211 | 106 | 200 | 0.684 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 199 | 99.5 | 200 | 2.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 01/03/2022 | Sampling Date: | 12/30/2021 |
| Reported: | 01/06/2022 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: SW 40 (H220004-06)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | | |
| Total BTEX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 81.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.4 % 59.5-142

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Analytical Results For:

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

Received: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 41 (H220004-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | |
| Total BTEX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.0 % 59.5-142

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 01/03/2022 | Sampling Date: | 12/30/2021 |
| Reported: | 01/06/2022 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: SW 49 (H220004-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.06 | 103 | 2.00 | 4.45 | | |
| Toluene* | <0.050 | 0.050 | 01/03/2022 | ND | 2.00 | 100 | 2.00 | 4.85 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/03/2022 | ND | 1.95 | 97.4 | 2.00 | 4.86 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/03/2022 | ND | 5.93 | 98.8 | 6.00 | 5.20 | | |
| Total BTEX | <0.300 | 0.300 | 01/03/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.1 % 59.5-142

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Analytical Results For:

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

Received: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 50 (H220004-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.6 % 59.5-142

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Analytical Results For:

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

Received: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 51 (H220004-10)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 75.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.4 % 59.5-142

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 01/03/2022 | Sampling Date: | 12/30/2021 |
| Reported: | 01/06/2022 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: SW 52 (H220004-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.3 % 59.5-142

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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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 33 (H220004-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEx | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.5 % 59.5-142

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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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 34 (H220004-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 43 (H220004-14)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.4 % 59.5-142

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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: | 01/03/2022 | Sampling Date: | 12/30/2021 |
| Reported: | 01/06/2022 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: FL 44 (H220004-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 256 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.6 % 59.5-142

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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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 45 (H220004-16)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 352 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.3 % 59.5-142

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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: 01/03/2022
 Reported: 01/06/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 46 (H220004-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.08 | 104 | 2.00 | 5.66 | | |
| Toluene* | <0.050 | 0.050 | 01/04/2022 | ND | 2.02 | 101 | 2.00 | 6.32 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/04/2022 | ND | 1.96 | 97.9 | 2.00 | 6.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/04/2022 | ND | 5.96 | 99.3 | 6.00 | 5.91 | | |
| Total BTEX | <0.300 | 0.300 | 01/04/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 01/05/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/04/2022 | ND | 214 | 107 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/04/2022 | ND | 225 | 112 | 200 | 4.00 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/04/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.9 % 59.5-142

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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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|------------------------------|--|--------------|--|---|--|------------|--|--|--|-----|--|---|--|--------|--|--|--|------------|--|--------------|--|------|--|----------|--|---|--|---|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: Mewbourne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Robbie Runnels | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 15048 Project Owner: Mewbourne | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Zach 17-8 W1MD Fed Com 1H | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Lea County, NM | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Tyler Griffin | | | | 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 | | | | | |
| H220004 | | | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 1 | | NW40 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 2 | | NW41 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 3 | | NW49 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 4 | | NW50 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 5 | | NW51 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 6 | | SW40 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 7 | | SW41 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 8 | | SW49 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 9 | | SW50 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
| 10 | | SW51 | | C | | 1 | | | | | | X | | | | | | | | X | | | | 12/30/22 | | | | X | | X | | X | |
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| Relinquished By: [Signature] | | | | Date: [Blank] | | | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | REMARKS: | | | | | |
| Relinquished By: [Signature] | | | | Date: 1-3-22 | | | | Received By: [Signature] | | | | CHECKED BY: [Signature] | | | | Please email results to pm@etechenv.com | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) -0.9c) C-0.5c | | | | Sample Condition Cool Intact | | | | CHECKED BY: (Initials) [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: -1.4c #113 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 06, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W2MD FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/02/21 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/02/2021
 Reported: 12/06/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/01/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 4 @ 3' (H213464-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 105 | 2.00 | 0.603 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.06 | 103 | 2.00 | 0.585 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.02 | 101 | 2.00 | 0.118 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.12 | 102 | 6.00 | 0.00774 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

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: 12/02/2021
 Reported: 12/06/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/01/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 3' (H213464-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|---------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 105 | 2.00 | 0.603 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.06 | 103 | 2.00 | 0.585 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.02 | 101 | 2.00 | 0.118 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.12 | 102 | 6.00 | 0.00774 | | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.2 % 38.9-142

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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: 12/02/2021
 Reported: 12/06/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/01/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 3 (H213464-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.5 % 38.9-142

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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: 12/02/2021
 Reported: 12/06/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/01/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 4 (H213464-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/01/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H213464-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/01/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 4 (H213464-06)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 94.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.2 % 38.9-142

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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 cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



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

December 08, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W2MD FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/02/21 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 3' (H213465-01)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 95.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.4 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ 3' (H213465-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.1 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 8 @ 3' (H213465-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.7 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 5 (H213465-04)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 86.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.9 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 6 (H213465-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.8 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 7 (H213465-06)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 89.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.4 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 5 (H213465-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 6 (H213465-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 0.401 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 102 | 2.00 | 1.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.03 | 101 | 2.00 | 1.21 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.18 | 103 | 6.00 | 0.706 | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 218 | 109 | 200 | 0.574 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 208 | 104 | 200 | 0.163 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 7 (H213465-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 8 (H213465-10)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 98.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 8 (H213465-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.6 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 9 (H213465-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | 0.058 | 0.050 | 12/07/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.5 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 10 (H213465-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 11 (H213465-14)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.0 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 12/02/2021 | Sampling Date: | 12/02/2021 |
| Reported: | 12/08/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W2MD FED COM 2H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: SW 12 (H213465-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 13 (H213465-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 14 (H213465-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 9 (H213465-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 10 (H213465-19)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEx | <0.300 | 0.300 | 12/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 12/02/2021 | Sampling Date: | 12/02/2021 |
| Reported: | 12/08/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W2MD FED COM 2H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: NW 11 (H213465-20)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEX | <0.300 | 0.300 | 12/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 96.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.4 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 12 (H213465-21)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEX | <0.300 | 0.300 | 12/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 13 (H213465-22)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEx | <0.300 | 0.300 | 12/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 14 (H213465-23)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEX | <0.300 | 0.300 | 12/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 3' (H213465-24)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTX | <0.300 | 0.300 | 12/06/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 3' (H213465-25)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTEx | <0.300 | 0.300 | 12/06/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 3' (H213465-26)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTEX | <0.300 | 0.300 | 12/06/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 12 @ 3' (H213465-27)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | |
| Total BTEx | <0.300 | 0.300 | 12/06/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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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: 12/02/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 13 @ 3' (H213465-28)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.11 | 106 | 2.00 | 4.19 | | |
| Toluene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.09 | 105 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/06/2021 | ND | 2.05 | 103 | 2.00 | 3.77 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/06/2021 | ND | 6.26 | 104 | 6.00 | 4.39 | | |
| Total BTEx | <0.300 | 0.300 | 12/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 12/04/2021 | 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 | 12/04/2021 | ND | 227 | 113 | 200 | 0.180 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/04/2021 | ND | 224 | 112 | 200 | 1.98 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/04/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 32 of 33

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|--|--|--|--|--|--|----------------------|--|----------------------------|--|--|--|--|--|------------------------------------|--|---|--|---|--|--|--|--|--|--|--|--|--|
| 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 W Marland | | | | | | | | | | Company: Newbourn | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs Hobbs State: NM Zip: 88240 88240 | | | | | | | | | | Attn: Robbie Runnels | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 264-9884 Fax #: (575) 393-2476 | | | | | | | | | | Address: | | | | | | | | | | | | | | | | | | | | | |
| Project #: 15048 Project Owner: Newbourn | | | | | | | | | | City: | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Zach 17-8 WMD Feed com 1H | | | | | | | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Jal, NM | | | | | | | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Tyler Griffin | | | | | | | | | | 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 | | | | | | | | | | | |
| H213465 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 SW 8 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 12 SW 9 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 13 SW 10 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 14 SW 11 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 15 SW 12 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 16 SW 13 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 17 SW 14 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 18 NW 9 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 19 NW 10 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
| 20 NW 11 | | | | | | | | | | | | | | X | | | | X | | 12-2-21 | | X X X | | | | | | | | | |
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| Relinquished By: Tyler Griffin | | | | | | | | | | Date: 12-2-21 | | Received By: Juana Oldakyn | | | | | | | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: | | | | | | | | | |
| | | | | | | | | | | Time: 1515 | | | | | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: | | | | | | | | | |
| Relinquished By: | | | | | | | | | | Date: | | Received By: | | | | | | | | | | REMARKS: | | | | | | | | | |
| | | | | | | | | | | Time: | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) S.C. C-0.52 | | | | | | | | | | Sample Condition | | CHECKED BY: (Initials) | | | | | | | | | | Please email results to pm@etechenv.com. | | | | | | | | | |
| Sampler - UPS - Bus - Other: C-4.9c #113 | | | | | | | | | | Cool Intact | | Yes No | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



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

December 08, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W2MD FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/03/21 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 14 @ 3' (H213493-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.61 | 80.7 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.55 | 77.6 | 2.00 | 13.4 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.53 | 76.5 | 2.00 | 14.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 4.70 | 78.3 | 6.00 | 13.4 | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 15 @ 3' (H213493-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.61 | 80.7 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.55 | 77.6 | 2.00 | 13.4 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.53 | 76.5 | 2.00 | 14.1 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 4.70 | 78.3 | 6.00 | 13.4 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 16 @ 3' (H213493-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.61 | 80.7 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.55 | 77.6 | 2.00 | 13.4 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.53 | 76.5 | 2.00 | 14.1 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 4.70 | 78.3 | 6.00 | 13.4 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 17 @ 3' (H213493-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.61 | 80.7 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.55 | 77.6 | 2.00 | 13.4 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.53 | 76.5 | 2.00 | 14.1 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 4.70 | 78.3 | 6.00 | 13.4 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 18 @ 3' (H213493-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.61 | 80.7 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.55 | 77.6 | 2.00 | 13.4 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.53 | 76.5 | 2.00 | 14.1 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 4.70 | 78.3 | 6.00 | 13.4 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 19 @ 3' (H213493-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.61 | 80.7 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.55 | 77.6 | 2.00 | 13.4 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 1.53 | 76.5 | 2.00 | 14.1 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 4.70 | 78.3 | 6.00 | 13.4 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 15 (H213493-07)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 16 (H213493-08)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.6 % 38.9-142

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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: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 17 (H213493-09)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.0 % 38.9-142

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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 18 (H213493-10)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 19 (H213493-11)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 221 | 110 | 200 | 1.47 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 110 | 200 | 5.37 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.7 % 38.9-142

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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 20 (H213493-12)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.3 % 38.9-142

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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 21 (H213493-13)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.6 % 38.9-142

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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: | 12/03/2021 | Sampling Date: | 12/03/2021 |
| Reported: | 12/08/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W2MD FED COM 2H | Sampling Condition: | Cool & Intact |
| Project Number: | 15048 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: NW 22 (H213493-14)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 15 (H213493-15)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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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: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 16 (H213493-16)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 17 (H213493-17)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.9 % 38.9-142

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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: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 18 (H213493-18)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.0 % 38.9-142

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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 19 (H213493-19)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 20 (H213493-20)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.4 % 38.9-142

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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: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 21 (H213493-21)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.0 % 38.9-142

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Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 22 (H213493-22)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.1 % 38.9-142

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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: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 23 (H213493-23)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 24 (H213493-24)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | |
| Total BTEx | <0.300 | 0.300 | 12/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 23 (H213493-25)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 24 (H213493-26)

| 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 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.18 | | |
| Toluene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.02 | 101 | 2.00 | 7.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/07/2021 | ND | 2.00 | 99.9 | 2.00 | 7.35 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/07/2021 | ND | 6.06 | 101 | 6.00 | 8.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.6 % 38.9-142

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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: 12/03/2021
 Reported: 12/08/2021
 Project Name: ZACH 17-8 W2MD FED COM 2H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 20 @ 3' (H213493-27)

| 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 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | | |
| Total BTEx | <0.300 | 0.300 | 12/08/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/07/2021 | 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 | 12/07/2021 | ND | 217 | 108 | 200 | 1.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 99.9 | 200 | 1.64 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|-------|--|
| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 32

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | | | | | | | BILL TO | | | | | | | | | | ANALYSIS REQUEST | | | | | | | | | |
| Project Manager: Lance Greenshaw | | | | | | | | | | P.O. #: | | | | | | | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | |
| Address: 101 East Marland 2617 W Marland | | | | | | | | | | Company: Mewbourne | | | | | | | | | | | | | | | | | | | |
| City: Hobbs Hobbs State: NM Zip: 88240 88240 | | | | | | | | | | Attn: Robbie Runnels | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 393-2326 264-9884 Fax #: 575-393-2476 | | | | | | | | | | Address: | | | | | | | | | | | | | | | | | | | |
| Project #: 15048 Project Owner: Mewbourne | | | | | | | | | | City: | | | | | | | | | | | | | | | | | | | |
| Project Name: Zach 17-8 WIMD Fed Corn 2H | | | | | | | | | | State: Zip: | | | | | | | | | | | | | | | | | | | |
| Project Location: Jal, NM | | | | | | | | | | Phone #: | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Tyler Griffin | | | | | | | | | | Fax #: | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. H213493 | | | | | | | | | | Sample I.D. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | (G)RAB OR (C)OMP. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | # CONTAINERS | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | GROUNDWATER | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | WASTEWATER | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | SOIL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | OIL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | SLUDGE | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | OTHER : | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | ACID/BASE: | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | ICE / COOL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | OTHER : | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | DATE | | | | | | | | | | TIME | | | | | | | | | |
| 1 FL 14 @ 3' | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 2 FL 15 @ 3' | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 3 FL 16 @ 3' | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 4 FL 17 @ 3' | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 5 FL 18 @ 3' | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 6 FL 19 @ 3' | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 7 NW15 | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 8 NW16 | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 9 NW17 | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| 10 NW18 | | | | | | | | | | | | | | | | | | | | 12-3-21 | | | | | | | | | |
| <small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Tyler Griffin | | | | | | | | | | Date: 12-3-21 | | | | | | | | | | Received By: Tamara Oldabry | | | | | | | | | |
| Relinquished By: | | | | | | | | | | Date: | | | | | | | | | | Received By: | | | | | | | | | |
| | | | | | | | | | | Time: 1545 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | Time: | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) 2.9 @ C-0.5 @ | | | | | | | | | | Sample Condition | | | | | | | | | | CHECKED BY: (Initials) YP | | | | | | | | | |
| Sampler - UPS - Bus - Other: 2.4 @ #113 | | | | | | | | | | Cool Intact | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | <input type="checkbox"/> No <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Please email results to pm@etechenv.com. | | | | | | | | | |

FORM-006
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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------|--|----------------------|--|--------------------------------|--|---|--|------------------------------------|--|--|--|--------|--|----------------|--|------------|--|--|--|---------|--|--------------|--|------|--|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div 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 W Marland | | | | Company: Mewbourne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Robbie Runnels | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: 264-9884 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 15048 Project Owner: Mewbourne | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Zach 57-8 WIND Feed com IH | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Jav, NM | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Tyler Griffin | | | | 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 | | | | | | | | | | | | | | | | | |
| H213493 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | NW19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | NW20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | NW21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | NW22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | SW15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | SW16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | SW17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | SW18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | SW19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | SW20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished By: Tyler Griffin | | | | Date: 12-3-21 | | Time: 1545 | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | REMARKS: | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Time: | | Received By: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) 2.9c C-05c | | | | 2.4c #113 | | Sample Condition Cool Intact | | | | CHECKED BY: (Initials) [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 32 of 32

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-----------------------------|--------------|--|------------|--|-----|---|--------|---|------------|--------|---------|------|---|---|---|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 2617 W Marland | | | | Company: Newbourn | | | | | | | | | | | | | | | | | | | | | | | |
| City: Livingston Hobbs State: NM Zip: 88240 | | | | Attn: Robbie Gennels | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 393-2326 Fax #: (575) 393-2476 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 15048 Project Owner: Newbourn | | | | City: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Zach 12-8 WIND Fed.com 1st | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Jal, NM | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Tyler Griffin | | | | 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 | | | | | | | | | | | | | |
| H213493 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | SW 21 | | | | | X | | | | X | | | 12-3-21 | | X | X | X | | | | | | | | | | |
| 22 | SW 22 | | | | | X | | | | X | | | 12-3-21 | | X | X | X | | | | | | | | | | |
| 23 | SW 23 | | | | | X | | | | X | | | 12-3-21 | | X | X | X | | | | | | | | | | |
| 24 | SW 24 | | | | | X | | | | X | | | 12-3-21 | | X | X | X | | | | | | | | | | |
| 25 | NW 23 | | | | | X | | | | X | | | 12-3-21 | | X | X | X | | | | | | | | | | |
| 26 | NW 24 | | | | | X | | | | X | | | 12-3-21 | | X | X | X | | | | | | | | | | |
| 27 | FL 20 @ 3' | | | | | X | | | | X | | | 12-3-21 | | X | X | X | | | | | | | | | | |
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| Relinquished By: | | Date: 12-3-21 | | Received By: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | | <p>REMARKS:</p> <p>Please email results to pm@etechenv.com.</p> | | | | | | | | | | | | | | | | | |
| Time: 1545 | | Time: | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Tyler Griffin | | Received By: Tamara Oldaker | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) 2.9c C-0.5c | | Date: | | Sample Condition | | CHECKED BY: (Initials) | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 2.4c #113 | | Time: | | Cool Intact | | TO | | | | | | | | | | | | | | | | | | | | | |
| | | | | Yes No | | | | | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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

December 10, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/08/21 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/08/2021
 Reported: 12/10/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H213549-01)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | | |
| Total BTEx | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| 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 | 12/09/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.4 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/10/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H213549-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

| 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 | 12/09/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.9 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/10/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H213549-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| 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 | 12/09/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.0 % 38.9-142

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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: 12/08/2021
 Reported: 12/10/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 2 (H213549-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/09/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/10/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ 3' (H213549-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

| 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 | 12/09/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/10/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ 3' (H213549-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/09/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/10/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ 4' (H213549-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | | |
| Total BTX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/09/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.4 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Cronshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 15048 Project Owner: Menbomree Project Name: Zach 17-8 WMD Project Location: Jal, NM Sampler Name: Tyler Griffin | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------------------|--------------|--|------------|------|-----|---|---------|-----------|------------|---------|---------|------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | P.O. #: Company: Menbomree Attn: Robbie Rumbals Address: City: State: Zip: Phone #: Fax #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE | ICE / COOL | OTHER : | DATE | TIME | | | | | | | | | | | | | | | |
| H213549 | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| 1 NW 1 | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| 2 NW 2 | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| 3 SW 1 | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| 4 SW 2 | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| 5 FL 1 @ 3' | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| 6 FL 2 @ 3' | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| 7 FL 3 @ 4' | | | | | | X | | | | X | | | 12-8-21 | | X | X | X | | | | | | | | | | | | |
| | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | |

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| | | |
|---|--|---|
| Relinquished By: Date: 12-8-21 Time: 1450 Received By: Date: Time: | Delivered By: (Circle One) -4.7E C-0.52 Sampler - UPS - Bus - Other: -5.2c #113 Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: (Initials) YO REMARKS: Please email copy of COC and results to pm@etechenv.com. |
|---|--|---|



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

December 14, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/08/21 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H213550-01)

| BTEX 8021B | | mg/kg | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 217 | 108 | 200 | 2.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 214 | 107 | 200 | 2.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 21 @ 3' (H213550-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.88 | 94.0 | 2.00 | 7.08 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.84 | 91.9 | 2.00 | 6.52 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.81 | 90.7 | 2.00 | 6.41 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.57 | 92.8 | 6.00 | 5.93 | | |
| Total BTX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 181 | 90.7 | 200 | 3.78 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 204 | 102 | 200 | 1.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 22 @ 3' (H213550-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 181 | 90.7 | 200 | 3.78 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 204 | 102 | 200 | 1.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.6 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 23 @ 3' (H213550-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 181 | 90.7 | 200 | 3.78 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 204 | 102 | 200 | 1.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.7 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 24 @ 3' (H213550-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 181 | 90.7 | 200 | 3.78 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 204 | 102 | 200 | 1.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.2 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 25 @ 3' (H213550-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEx | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 181 | 90.7 | 200 | 3.78 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 204 | 102 | 200 | 1.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.7 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 26 @ 3' (H213550-07)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

| 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 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 181 | 90.7 | 200 | 3.78 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 204 | 102 | 200 | 1.45 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.3 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 25 (H213550-08)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.9 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 26 (H213550-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEx | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 27 (H213550-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.5 % 38.9-142

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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: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 28 (H213550-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.1 % 38.9-142

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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: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 29 (H213550-12)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: AC | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 78.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.9 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 30 (H213550-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| 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 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.6 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 31 (H213550-14)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.4 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 32 (H213550-15)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.0 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 33 (H213550-16)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.7 % 38.9-142

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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: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 25 (H213550-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | | |
| Total BTEx | <0.300 | 0.300 | 12/10/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 26 (H213550-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/10/2021 | ND | 2.01 | 100 | 2.00 | 1.87 | |
| Toluene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.98 | 99.1 | 2.00 | 0.397 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/10/2021 | ND | 1.96 | 98.1 | 2.00 | 0.113 | |
| Total Xylenes* | <0.150 | 0.150 | 12/10/2021 | ND | 5.94 | 99.0 | 6.00 | 1.12 | |
| Total BTEx | <0.300 | 0.300 | 12/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 27 (H213550-19)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 2.01 | 101 | 2.00 | 3.43 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.92 | 95.8 | 2.00 | 2.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.91 | 95.6 | 2.00 | 3.38 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.93 | 98.8 | 6.00 | 3.72 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 28 (H213550-20)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 2.01 | 101 | 2.00 | 3.43 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.92 | 95.8 | 2.00 | 2.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.91 | 95.6 | 2.00 | 3.38 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.93 | 98.8 | 6.00 | 3.72 | | |
| Total BTX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.2 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 29 (H213550-21)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 2.01 | 101 | 2.00 | 3.43 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.92 | 95.8 | 2.00 | 2.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.91 | 95.6 | 2.00 | 3.38 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.93 | 98.8 | 6.00 | 3.72 | | |
| Total BTEx | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | 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 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.0 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 30 (H213550-22)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 2.01 | 101 | 2.00 | 3.43 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.92 | 95.8 | 2.00 | 2.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.91 | 95.6 | 2.00 | 3.38 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.93 | 98.8 | 6.00 | 3.72 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

| 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 | 12/10/2021 | 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 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 55.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 51.6 % 38.9-142

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Analytical Results For:

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

Received: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 31 (H213550-23)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 2.01 | 101 | 2.00 | 3.43 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.92 | 95.8 | 2.00 | 2.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.91 | 95.6 | 2.00 | 3.38 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.93 | 98.8 | 6.00 | 3.72 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

| 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 | 12/10/2021 | 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 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.7 % 38.9-142

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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: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 32 (H213550-24)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 2.01 | 101 | 2.00 | 3.43 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.92 | 95.8 | 2.00 | 2.93 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.91 | 95.6 | 2.00 | 3.38 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.93 | 98.8 | 6.00 | 3.72 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

| 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 | 12/10/2021 | 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 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.6 % 38.9-142

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: 12/08/2021
 Reported: 12/14/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 33 (H213550-25)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 2.01 | 101 | 2.00 | 3.43 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.92 | 95.8 | 2.00 | 2.93 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.91 | 95.6 | 2.00 | 3.38 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.93 | 98.8 | 6.00 | 3.72 | | |
| Total BTX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/10/2021 | 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 | 12/10/2021 | ND | 199 | 99.7 | 200 | 6.00 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/10/2021 | ND | 195 | 97.6 | 200 | 0.815 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/10/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

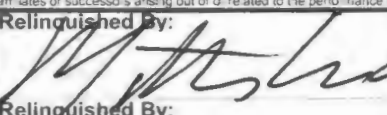
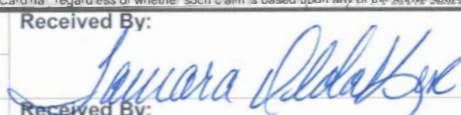



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|--|--|--|--------------|-------------|------------|--|-----|----------|--------|--|-------------|--------------|---------|--|--|--|--|--|--|--|--|--|------------|------------|--------|---------|------|
| Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 15048 Project Owner: Mewbourne Project Name: Zach 17-8 W1MD Feed Cam 1H Project Location: JAL, NM Sampler Name: Tyler Griffin | | | | BILL TO P.O. #: Company: Mewbourne Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #: | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV. | | SAMPLING | | Chloride | TPH (8015M) | BTEX (8021B) | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | | | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | | | | | | | | | | | | | | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME |
| H213550 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | WW 1 | | | | | | X | | | | | | | | | | | | | | | | | | X | | | 12-7-21 | |
| 2 | FL 21 @ 3' | | | | | | X | | | | | | | | | | | | | | | | | | X | | | 12-7-21 | |
| 3 | FL 22 @ 3' | | | | | | X | | | | | | | | | | | | | | | | | | X | | | 12-7-21 | |
| 4 | FL 23 @ 3' | | | | | | X | | | | | | | | | | | | | | | | | | X | | | 12-7-21 | |
| 5 | FL 24 @ 3' | | | | | | X | | | | | | | | | | | | | | | | | | X | | | 12-7-21 | |
| 6 | FL 25 @ 3' | | | | | | X | | | | | | | | | | | | | | | | | | X | | | 12-7-21 | |
| 7 | FL 26 @ 3' | | | | | | X | | | | | | | | | | | | | | | | | | X | | | 12-7-21 | |
| 8 | NW 25 | | | | | | X | | | | | X | | | 12-7-21 | | | | | | | | | | | | | | |
| 9 | NW 26 | | | | | | X | | | | | X | | | 12-7-21 | | | | | | | | | | | | | | |
| 10 | NW 27 | | | | | | X | | | | | X | | | 12-7-21 | | | | | | | | | | | | | | |
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| Relinquished By:  Date: 12-8-21 Time: 1450 Relinquished By: _____ Date: _____ Time: _____ | | | | Received By:  Received By: _____ Date: _____ Time: _____ | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____ | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) -4.7°C -0.5°C Sampler - UPS - Bus - Other: -5.2°C #113 | | | | Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No | | | | CHECKED BY: (Initials)  | | | | Please email copy of COC and results to pm@etechenv.com. | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



ARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 30

| | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|--|--|---|------------------------------|--|---|--|--|---|---|--|--|--|--|--|--|--|
| 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 #: 15048 Project Owner: Mewbourne Project Name: Zach 17-8 WMD Fed com 1H Project Location: Jach, NM Sampler Name: Tyler Griffin | | | | BILL TO P.O. #: Company: Mewbourne Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #: | | | | ANALYSIS REQUEST | | | | | | | | | | | |
| FOR LAB USE ONLY | | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | MATRIX PRESERV. ACID/BASE: ICE / COOL OTHER: | SAMPLING DATE TIME | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | | | | | | | | | | | | | | | | | | |
| H213550 | | | | | | | | | | | | | | | | | | | |
| 21 | SW 29 | | | | | | | | | X | X | X | | | | | | | |
| 22 | SW 30 | | | | | | | | | X | X | X | | | | | | | |
| 23 | SW 31 | | | | | | | | | X | X | X | | | | | | | |
| 24 | SW 32 | | | | | | | | | X | X | X | | | | | | | |
| 25 | SW 33 | | | | | | | | | X | X | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| Relinquished By: Relinquished By: | | Date: 12-8-21 Time: 1450 | | Received By: Received By: | | Date: Time: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: | | Please email copy of COC and results to pm@etechenv.com. | | | | | | | | | |
| Delivered By: (Circle One) -47°C -0.52 Sampler - UPS - Bus - Other: -5.2°C #113 | | Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | CHECKED BY: (Initials) T.O. | | | | | | | | | | | | | | | |



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

December 15, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/10/21 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 34 (H213578-01)

| 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 | 12/14/2021 | ND | 1.57 | 78.3 | 2.00 | 18.7 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.70 | 85.2 | 2.00 | 16.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.75 | 87.7 | 2.00 | 15.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.96 | 99.4 | 6.00 | 14.7 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 213 | 107 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 214 | 107 | 200 | 2.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 35 (H213578-02)

| 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 | 12/14/2021 | ND | 1.57 | 78.3 | 2.00 | 18.7 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.70 | 85.2 | 2.00 | 16.5 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.75 | 87.7 | 2.00 | 15.1 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.96 | 99.4 | 6.00 | 14.7 | | |
| Total BTEx | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 213 | 107 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 214 | 107 | 200 | 2.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 44.3-133

Surrogate: 1-Chlorooctadecane 124 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 36 (H213578-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 213 | 107 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 214 | 107 | 200 | 2.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 119 % 38.9-142

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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 37 (H213578-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 213 | 107 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 214 | 107 | 200 | 2.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 124 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 38 (H213578-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 213 | 107 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 214 | 107 | 200 | 2.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 122 % 44.3-133

Surrogate: 1-Chlorooctadecane 130 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 39 (H213578-06)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 213 | 107 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 214 | 107 | 200 | 2.49 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 42 (H213578-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/13/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/13/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.8 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 43 (H213578-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/13/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/13/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 34 (H213578-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/13/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/13/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 35 (H213578-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEx | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 36 (H213578-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | |
| Total BTX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 37 (H213578-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 38 (H213578-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 39 (H213578-14)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 4' (H213578-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 28 @ 3' (H213578-16)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 29 @ 3' (H213578-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 30 @ 4' (H213578-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 31 @ 3' (H213578-19)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 32 @ 3' (H213578-20)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

| 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 | 12/14/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 99.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.2 % 38.9-142

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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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 36 @ 3' (H213578-21)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

| 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 | 12/14/2021 | 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 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.5 % 38.9-142

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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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 38 @ 3' (H213578-22)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.69 | 84.5 | 2.00 | 16.8 | | |
| Toluene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.70 | 85.0 | 2.00 | 13.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/13/2021 | ND | 1.76 | 88.1 | 2.00 | 11.6 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/13/2021 | ND | 5.51 | 91.8 | 6.00 | 11.0 | | |
| Total BTEX | <0.300 | 0.300 | 12/13/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

| 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 | 12/14/2021 | 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 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.2 % 38.9-142

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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. |
| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 26 of 27

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------|--------------------|---|--|---|---|--|-------------------------|---|------------------------------|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 #: 15048 Project Owner: Mewbourne Project Name: Zach 17-8 W1MD Fed Com 1H Project Location: Rural Lea County, NM Sampler Name: Matthew Grieco | | | | BILL TO P.O. #: Company: Mewbourne Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #: | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY Lab I.D. HZ13578 | | 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) | | | | | | | | | | | | | | | | |
| 11 | NW 36 | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 12 | NW 37 | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 13 | NW 38 | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 14 | NW 39 | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 15 | FL 27 @ 4' | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 16 | FL 28 @ 3' | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 17 | FL 29 @ 3' | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 18 | FL 30 @ 4' | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 19 | FL 31 @ 3' | C | 1 | | X | | X | 12/9/21 | | | X | X | X | | | | | | | | | | | | |
| 20 | FL 32 @ 3' | C | 1 | | X | | X | 12/9/21 | | X | X | X | | | | | | | | | | | | | |
| <small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: <i>[Signature]</i> Relinquished By: | | | | Date: 12-10-21 Time: 1455 | | Received By: <i>[Signature]</i> Received By: | | | | Date: Time: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Please email results to pm@etechenv.com | | | | | | | | | | | | | |
| Delivered By: (Circle One) -1.4e C-0.5e Sampler - UPS - Bus - Other: -1.9e #113 | | | | Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | CHECKED BY: (Initials) TO | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 15, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/10/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 43 (H213585-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | |
| Total BTX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.8 % 38.9-142

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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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 44 (H213585-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEx | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 45 (H213585-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| 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 | 12/14/2021 | 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 | 12/14/2021 | ND | 211 | 105 | 200 | 1.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 203 | 102 | 200 | 2.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 46 (H213585-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.3 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 47 (H213585-05)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.9 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 48 (H213585-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEx | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.5 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 44 (H213585-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.7 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 45 (H213585-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.7 % 38.9-142

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Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 46 (H213585-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.4 % 38.9-142

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: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 47 (H213585-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | |
| Total BTX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 48 (H213585-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEx | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 39 @ 3' (H213585-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

| 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 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 40 @ 3' (H213585-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 41 @ 3' (H213585-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | |
| Total BTX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/10/2021
 Reported: 12/15/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/10/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 42 @ 3' (H213585-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.73 | 86.6 | 2.00 | 17.0 | | |
| Toluene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.77 | 88.3 | 2.00 | 14.2 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/14/2021 | ND | 1.79 | 89.6 | 2.00 | 11.9 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/14/2021 | ND | 5.52 | 92.0 | 6.00 | 10.1 | | |
| Total BTEX | <0.300 | 0.300 | 12/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| 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 | 12/14/2021 | 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 | 12/14/2021 | ND | 196 | 98.0 | 200 | 0.807 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/14/2021 | ND | 194 | 97.1 | 200 | 4.18 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|-------|--|
| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|--|--|---------------------------|--|---|--|------------------------------------|--|-------|--|------|--|---|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: <u>Lance Crenshaw</u> Address: 2617 West Mariand City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: <u>15048</u> Project Owner: <u>Mewbourne</u> Project Name: <u>Zach 17-8 W1MD Fed ContH</u> Project Location: <u>Jal, NM</u> Sampler Name: <u>Tyler Griffin</u> | | | | BILL TO P.O. #: Company <u>Mewbourne</u> Attn: <u>Robbie Kunnels</u> Address: City: State: Zip: Phone #: Fax #: | | | | ANALYSIS REQUEST <div style="display: flex; justify-content: space-between;"> <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> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | |
| H213585 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | NW43 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 2 | | NW44 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 3 | | NW45 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 4 | | NW46 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 5 | | NW47 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 6 | | NW48 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 7 | | SW44 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 8 | | SW45 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 9 | | SW46 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
| 10 | | SW47 | | | | | | X | | X | | 12-10 | | | | X | | X | | X | | | | | | | | | | | | | |
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| Relinquished By: <u>Tyler Griffin</u> Date: <u>12-10-21</u> Time: <u>1630</u> | | | | Received By: <u>Lamara</u> Date: Time: | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Date: Time: | | | | Received By: Date: Time: | | | | Delivered By: (Circle One) <u>5.1e</u> <u>C-0.5e</u> Sampler - UPS - Bus - Other: <u>4.6e</u> <u>#113</u> Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <u>TO</u> (Initials) | | | | | | | | | | | | | | | | | | | | | | | | | |

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 21, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/16/21 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: | 12/16/2021 | Sampling Date: | 12/16/2021 |
| Reported: | 12/21/2021 | Sampling Type: | Soil |
| Project Name: | ZACH 17-8 W1MD FED COM 1H | Sampling Condition: | ** (See Notes) |
| Project Number: | 15048 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - JAL NM | | |

Sample ID: NW 53 (H213647-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| 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 | 12/17/2021 | 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 | 12/18/2021 | ND | 191 | 95.5 | 200 | 3.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2021 | ND | 189 | 94.7 | 200 | 1.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 62.0 % 62-130

Surrogate: 1-Chlorooctadecane 55.6 % 54.5-135

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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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: NW 54 (H213647-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/17/2021 | 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 | 12/18/2021 | ND | 191 | 95.5 | 200 | 3.20 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2021 | ND | 189 | 94.7 | 200 | 1.07 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 67.6 % 62-130

Surrogate: 1-Chlorooctadecane 61.0 % 54.5-135

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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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SW 53 (H213647-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | |
| Total BTX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.1 % 62-130

Surrogate: 1-Chlorooctadecane 70.3 % 54.5-135

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Analytical Results For:

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

Received: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: EW 1 (H213647-04)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.7 % 62-130

Surrogate: 1-Chlorooctadecane 70.4 % 54.5-135

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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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: EW 2 (H213647-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.0 % 62-130

Surrogate: 1-Chlorooctadecane 65.2 % 54.5-135

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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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: EW 3 (H213647-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.9 % 62-130

Surrogate: 1-Chlorooctadecane 58.5 % 54.5-135

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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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: EW 4 (H213647-07)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.9 % 62-130

Surrogate: 1-Chlorooctadecane 59.4 % 54.5-135

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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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 48 (H213647-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.2 % 62-130

Surrogate: 1-Chlorooctadecane 59.0 % 54.5-135

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Analytical Results For:

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

Received: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 49 (H213647-09)

| BTEX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.1 % 62-130

Surrogate: 1-Chlorooctadecane 62.6 % 54.5-135

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Analytical Results For:

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

Received: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 50 @ 4' (H213647-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| 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 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.3 % 62-130

Surrogate: 1-Chlorooctadecane 56.5 % 54.5-135

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Analytical Results For:

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

Received: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 51 @ 4' (H213647-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| 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 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.1 % 62-130

Surrogate: 1-Chlorooctadecane 62.0 % 54.5-135

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Analytical Results For:

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

Received: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WW 2 (H213647-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.4 % 62-130

Surrogate: 1-Chlorooctadecane 63.5 % 54.5-135

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Analytical Results For:

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

Received: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WW 3 (H213647-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| 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 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.0 % 62-130

Surrogate: 1-Chlorooctadecane 56.8 % 54.5-135

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Analytical Results For:

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

Received: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WW 4 (H213647-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 62-130

Surrogate: 1-Chlorooctadecane 58.7 % 54.5-135

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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 52 @ 4' (H213647-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.6 % 62-130

Surrogate: 1-Chlorooctadecane 63.2 % 54.5-135

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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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 47 @ 3.5' (H213647-16)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.0 % 62-130

Surrogate: 1-Chlorooctadecane 65.7 % 54.5-135

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: 12/16/2021
 Reported: 12/21/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/16/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: NW 52 (H213647-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.96 | 97.9 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.94 | 97.0 | 2.00 | 8.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/17/2021 | ND | 1.95 | 97.5 | 2.00 | 9.69 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/17/2021 | ND | 5.99 | 99.9 | 6.00 | 9.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 12/17/2021 | 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 | 12/20/2021 | ND | 212 | 106 | 200 | 0.171 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/20/2021 | ND | 194 | 96.9 | 200 | 2.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.0 % 62-130

Surrogate: 1-Chlorooctadecane 64.0 % 54.5-135

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

No
Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1+2

Page 20 of 21

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------------------|--------------|----------------------|------------|--------|-----|---|--------|------------|------------|--------|----------|------|---|---|---|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etch Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: Mewbourne | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington Hobbs State: NM Zip: 88240 | | | | Attn: Robbie Runnels | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 15048 Project Owner: Robbie Runnels | | | | City: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Zach 17-8 WIMDFed Cam 1H | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Mewbourne Oil Company | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Eric Mojica | | | | 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 | | | | | | | | | | | | | |
| H213W47 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | NW 53 | C | 1 | | | ✓ | | | | ✓ | | | 12-16-21 | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 2 | NW 54 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 3 | SW 53 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 4 | EW 1 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 5 | EW 2 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 6 | EW 3 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 7 | EW 4 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 8 | FL 48 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 9 | FL 49 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |
| 10 | FL 50 | C | 1 | | | ✓ | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | |

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| | | | |
|---|-------------------------------|--|---|
| Relinquished By: | Date: 12-16-21 Time: 10:15 | Received By: | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: |
| Relinquished By: | Date: Time: #113 | Received By: | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1160 - 5 11.12 | | Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | CHECKED BY: |

REMARKS: Samples taken & brought directly to lab.

Please email results to pm@etechenv.com.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

No
Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|-----------------------------|--|--------------|--|---|--|------------|--|------|--|-----|--|--------|--|--------|--|------------|--|------------|--|--------|--|----------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Lance Crenshaw</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: <u>Mewbourne</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: <u>Hobbs</u> State: NM Zip: <u>88240</u> | | | | Attn: <u>Robbie Runnels</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>15048</u> Project Owner: <u>Robbie Runnels</u> | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Zach 17-8 WIMD Fed Com 1H</u> | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Mewbourne Oil Company</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Eric Mojica</u> | | | | 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 | |
| H213647 | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | 12-16-21 | | | |
| 11 FL 51-4' | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | | | | |
| 12 WW 2 | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | | | | |
| 13 WW 3 | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | | | | |
| 14 WW 4 | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | | | | |
| 15 FL 52-4' | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | | | | |
| 16 FL 47-3 1/2' | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | | | | |
| 17 NW 52 | | | | C | | 1 | | | | | | ✓ | | | | | | | | ✓ | | ✓ | | ✓ | | | | | |

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| | | | | |
|--|---|---------------------------------|--|----------------|
| Relinquished By: <u>E. Mojica</u> | Date: <u>12-16-21</u> Time: <u>16:15</u> | Received By: <u>Jodi Hanson</u> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: | Date: | Received By: | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) <u>UPS</u> <u>11.6-5</u> <u>11.10</u> | | | REMARKS: | |
| Sampler - UPS - Bus - Other: | | | Please email results to pm@etechenv.com. | |
| Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | CHECKED BY: <u>[Signature]</u> | |



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

December 22, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/17/21 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NWA (H213660-01)

| 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 | 12/21/2021 | ND | 1.81 | 90.3 | 2.00 | 7.47 | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.85 | 92.5 | 2.00 | 10.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.92 | 95.8 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 6.02 | 100 | 6.00 | 11.0 | |
| Total BTEX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/20/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/21/2021 | ND | 181 | 90.7 | 200 | 1.96 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 208 | 104 | 200 | 0.279 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 63.9 % 62-130

Surrogate: 1-Chlorooctadecane 62.9 % 54.5-135

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: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NWB (H213660-02)

| 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 | 12/21/2021 | ND | 1.81 | 90.3 | 2.00 | 7.47 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.85 | 92.5 | 2.00 | 10.8 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.92 | 95.8 | 2.00 | 11.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 6.02 | 100 | 6.00 | 11.0 | | |
| Total BTEx | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/21/2021 | ND | 181 | 90.7 | 200 | 1.96 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 208 | 104 | 200 | 0.279 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.9 % 62-130

Surrogate: 1-Chlorooctadecane 78.3 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: FLA @ 1.5' (H213660-03)

| 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 | 12/21/2021 | ND | 1.81 | 90.3 | 2.00 | 7.47 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.85 | 92.5 | 2.00 | 10.8 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.92 | 95.8 | 2.00 | 11.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 6.02 | 100 | 6.00 | 11.0 | | |
| Total BTEx | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 336 | 16.0 | 12/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/21/2021 | ND | 181 | 90.7 | 200 | 1.96 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 208 | 104 | 200 | 0.279 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.5 % 62-130

Surrogate: 1-Chlorooctadecane 71.7 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: FLB @ 1.5' (H213660-04)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.81 | 90.3 | 2.00 | 7.47 | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.85 | 92.5 | 2.00 | 10.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.92 | 95.8 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 6.02 | 100 | 6.00 | 11.0 | |
| Total BTX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 288 | 16.0 | 12/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/21/2021 | ND | 181 | 90.7 | 200 | 1.96 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 208 | 104 | 200 | 0.279 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.0 % 62-130

Surrogate: 1-Chlorooctadecane 79.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: FLC @ 1.5' (H213660-05)

| 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 | 12/21/2021 | ND | 1.81 | 90.3 | 2.00 | 7.47 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.85 | 92.5 | 2.00 | 10.8 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.92 | 95.8 | 2.00 | 11.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 6.02 | 100 | 6.00 | 11.0 | | |
| Total BTEx | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 12/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/21/2021 | ND | 181 | 90.7 | 200 | 1.96 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 208 | 104 | 200 | 0.279 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.1 % 62-130

Surrogate: 1-Chlorooctadecane 71.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: FLD @ 1.5' (H213660-06)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.81 | 90.3 | 2.00 | 7.47 | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.85 | 92.5 | 2.00 | 10.8 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.92 | 95.8 | 2.00 | 11.2 | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 6.02 | 100 | 6.00 | 11.0 | |
| Total BTX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/20/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/21/2021 | ND | 181 | 90.7 | 200 | 1.96 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 208 | 104 | 200 | 0.279 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.3 % 62-130

Surrogate: 1-Chlorooctadecane 84.1 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/17/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/17/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WWA (H213660-07)

| 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 | 12/21/2021 | ND | 1.81 | 90.3 | 2.00 | 7.47 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.85 | 92.5 | 2.00 | 10.8 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.92 | 95.8 | 2.00 | 11.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 6.02 | 100 | 6.00 | 11.0 | | |
| Total BTEx | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/21/2021 | ND | 181 | 90.7 | 200 | 1.96 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 208 | 104 | 200 | 0.279 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.4 % 62-130

Surrogate: 1-Chlorooctadecane 73.7 % 54.5-135

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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 "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



No
Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 10 of 10

Released to Imaging: 4/28/2022 12:16:26 PM

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

[illegible]

FORM-006
Revision 1.0

#113

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



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

December 22, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/21 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 12/20/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 53 @ 4' (H213664-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.97 | 98.5 | 2.00 | 6.63 | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.91 | 95.7 | 2.00 | 6.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.87 | 93.7 | 2.00 | 6.52 | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 5.73 | 95.5 | 6.00 | 6.72 | |
| Total BTX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 12/21/2021 | 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 | 12/21/2021 | ND | 210 | 105 | 200 | 4.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 238 | 119 | 200 | 6.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 62-130

Surrogate: 1-Chlorooctadecane 113 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/20/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 54 @ 4' (H213664-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.97 | 98.5 | 2.00 | 6.63 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.91 | 95.7 | 2.00 | 6.66 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.87 | 93.7 | 2.00 | 6.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 5.73 | 95.5 | 6.00 | 6.72 | | |
| Total BTX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 12/21/2021 | 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 | 12/21/2021 | ND | 210 | 105 | 200 | 4.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 238 | 119 | 200 | 6.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 62-130

Surrogate: 1-Chlorooctadecane 98.4 % 54.5-135

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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: 12/20/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 55 @ 4' (H213664-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.97 | 98.5 | 2.00 | 6.63 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.91 | 95.7 | 2.00 | 6.66 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.87 | 93.7 | 2.00 | 6.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 5.73 | 95.5 | 6.00 | 6.72 | | |
| Total BTEX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 12/21/2021 | 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 | 12/22/2021 | ND | 210 | 105 | 200 | 4.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/22/2021 | ND | 238 | 119 | 200 | 6.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/22/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 62-130

Surrogate: 1-Chlorooctadecane 98.7 % 54.5-135

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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: 12/20/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 56 @ 4' (H213664-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.97 | 98.5 | 2.00 | 6.63 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.91 | 95.7 | 2.00 | 6.66 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.87 | 93.7 | 2.00 | 6.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 5.73 | 95.5 | 6.00 | 6.72 | | |
| Total BTEx | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 12/21/2021 | 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 | 12/21/2021 | ND | 210 | 105 | 200 | 4.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 238 | 119 | 200 | 6.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 62-130

Surrogate: 1-Chlorooctadecane 99.3 % 54.5-135

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Analytical Results For:

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

Received: 12/20/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 53 (H213664-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.97 | 98.5 | 2.00 | 6.63 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.91 | 95.7 | 2.00 | 6.66 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.87 | 93.7 | 2.00 | 6.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 5.73 | 95.5 | 6.00 | 6.72 | | |
| Total BTX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/21/2021 | 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 | 12/21/2021 | ND | 210 | 105 | 200 | 4.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 238 | 119 | 200 | 6.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.3 % 62-130

Surrogate: 1-Chlorooctadecane 89.6 % 54.5-135

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Analytical Results For:

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

Received: 12/20/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 54 (H213664-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.97 | 98.5 | 2.00 | 6.63 | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.91 | 95.7 | 2.00 | 6.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.87 | 93.7 | 2.00 | 6.52 | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 5.73 | 95.5 | 6.00 | 6.72 | |
| Total BTEX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/21/2021 | 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 | 12/21/2021 | ND | 210 | 105 | 200 | 4.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 238 | 119 | 200 | 6.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 112 % 62-130

Surrogate: 1-Chlorooctadecane 107 % 54.5-135

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Analytical Results For:

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

Received: 12/20/2021
 Reported: 12/22/2021
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 12/20/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 55 (H213664-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.97 | 98.5 | 2.00 | 6.63 | | |
| Toluene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.91 | 95.7 | 2.00 | 6.66 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2021 | ND | 1.87 | 93.7 | 2.00 | 6.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2021 | ND | 5.73 | 95.5 | 6.00 | 6.72 | | |
| Total BTX | <0.300 | 0.300 | 12/21/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 12/21/2021 | 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 | 12/21/2021 | ND | 210 | 105 | 200 | 4.45 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/21/2021 | ND | 238 | 119 | 200 | 6.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 62-130

Surrogate: 1-Chlorooctadecane 99.1 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-----------------|--------------|---|------------|------|-----|-------------------------|----------|-----------|----------|-------------|--------------|---|---|--|--|--|--|--|--|--|--|--|------------|--------|
| 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 #: 15048 Project Owner: Newbourn Project Name: Zach 17-8 WLMV Fed Con 1H Project Location: Jal, NM Sampler Name: Tyler Griffin | | | | BILL TO P.O. #: Company: Newbourn Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #: | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | GRAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | PRESERV. | SAMPLING | | Chloride | TPH (8015M) | BTEX (8021B) | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE | | | | | | | | | | | | | | | ICE / COOL | OTHER: |
| H213664 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | FL53 @ 4' | | | | | X | | | X | | 12-20-21 | | X | X | X | | | | | | | | | | | |
| 2 | FL54 @ 4' | | | | | X | | | X | | 12-20-21 | | X | X | X | | | | | | | | | | | |
| 3 | FL55 @ 4' | | | | | X | | | X | | 12-20-21 | | X | X | X | | | | | | | | | | | |
| 4 | FL56 @ 4' | | | | | X | | | X | | 12-20-21 | | X | X | X | | | | | | | | | | | |
| 5 | SW53 | | | | | X | | | X | | 12-20-21 | | X | X | X | | | | | | | | | | | |
| 6 | SW54 | | | | | X | | | X | | 12-20-21 | | X | X | X | | | | | | | | | | | |
| 7 | SW55 | | | | | X | | | X | | 12-20-21 | | X | X | X | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | |
|--|--|---|
| Relinquished By: Relinquished By: Date: 12-20-21 Time: 1450 | Received By: Received By: Date: Time: | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Please email copy of COC and results to pm@etechenv.com. |
|--|--|---|

| | | |
|--|---|------------------------|
| Delivered By: (Circle One) 3.9° C 0.5° Sampler - UPS - Bus - Other: 3.4° #113 | Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: |
|--|---|------------------------|

FORM-006

Revision 1.0

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



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

January 10, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 01/07/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 01/07/2022
 Reported: 01/10/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 01/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 5 (H220077-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.99 | 99.5 | 2.00 | 7.27 | |
| Toluene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.91 | 95.6 | 2.00 | 7.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.84 | 92.2 | 2.00 | 7.94 | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2022 | ND | 5.60 | 93.3 | 6.00 | 7.39 | |
| Total BTX | <0.300 | 0.300 | 01/10/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 01/10/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/10/2022 | ND | 203 | 101 | 200 | 0.0498 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/10/2022 | ND | 190 | 94.9 | 200 | 4.71 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 59.5-142

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: 01/07/2022
 Reported: 01/10/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 01/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 7 (H220077-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.99 | 99.5 | 2.00 | 7.27 | |
| Toluene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.91 | 95.6 | 2.00 | 7.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.84 | 92.2 | 2.00 | 7.94 | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2022 | ND | 5.60 | 93.3 | 6.00 | 7.39 | |
| Total BTX | <0.300 | 0.300 | 01/10/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 01/10/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/10/2022 | ND | 203 | 101 | 200 | 0.0498 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/10/2022 | ND | 190 | 94.9 | 200 | 4.71 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/07/2022
 Reported: 01/10/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 01/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 37 @ 3' (H220077-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.99 | 99.5 | 2.00 | 7.27 | | |
| Toluene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.91 | 95.6 | 2.00 | 7.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.84 | 92.2 | 2.00 | 7.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2022 | ND | 5.60 | 93.3 | 6.00 | 7.39 | | |
| Total BTX | <0.300 | 0.300 | 01/10/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 01/10/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/10/2022 | ND | 203 | 101 | 200 | 0.0498 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/10/2022 | ND | 190 | 94.9 | 200 | 4.71 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/07/2022
 Reported: 01/10/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 01/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 35 @ 3' (H220077-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.99 | 99.5 | 2.00 | 7.27 | | |
| Toluene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.91 | 95.6 | 2.00 | 7.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.84 | 92.2 | 2.00 | 7.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2022 | ND | 5.60 | 93.3 | 6.00 | 7.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/10/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 01/10/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/10/2022 | ND | 203 | 101 | 200 | 0.0498 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/10/2022 | ND | 190 | 94.9 | 200 | 4.71 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/10/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/07/2022
 Reported: 01/10/2022
 Project Name: ZACH 17-8 W1MD FED COM 1H
 Project Number: 15048
 Project Location: MEWBOURNE - JAL NM

Sampling Date: 01/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 42 (H220077-05)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.99 | 99.5 | 2.00 | 7.27 | | |
| Toluene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.91 | 95.6 | 2.00 | 7.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2022 | ND | 1.84 | 92.2 | 2.00 | 7.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2022 | ND | 5.60 | 93.3 | 6.00 | 7.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/10/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 01/10/2022 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|--------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 01/10/2022 | ND | 203 | 101 | 200 | 0.0498 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/10/2022 | ND | 190 | 94.9 | 200 | 4.71 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/10/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 8 of 8

| | | | | | | | | | | | | | | | | | | | |
|---|--|---------------------|--|------------------------------|--|-------------|--|-------------------------|--|---------------|--|-------------|--|--|--|--|--|--|--|
| Company Name: <u>Etech Environmental</u> | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | |
| Project Manager: <u>Lance Crenshaw</u> | | | | P.O. #: | | | | | | | | | | | | | | | |
| Address: <u>2617 W Marland</u> | | | | Company: <u>Mewbourne</u> | | | | | | | | | | | | | | | |
| City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88242</u> | | | | Attn: <u>Robbie Runnels</u> | | | | | | | | | | | | | | | |
| Phone #: _____ Fax #: _____ | | | | Address: _____ | | | | | | | | | | | | | | | |
| Project #: <u>15048</u> Project Owner: _____ | | | | City: _____ | | | | | | | | | | | | | | | |
| Project Name: <u>Zach 17-8 WJMD Fed Com 2A</u> | | | | State: _____ Zip: _____ | | | | | | | | | | | | | | | |
| Project Location: <u>Jal, NM</u> | | | | Phone #: _____ | | | | | | | | | | | | | | | |
| Sampler Name: <u>Tyler Griffin</u> | | | | Fax #: _____ | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (GRAB OR (COMP. # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | |
| | | | | | | GROUNDWATER | | | | | | | | | | | | | |
| | | | | | | WASTEWATER | | | | | | | | | | | | | |
| | | | | | | SOIL | | | | | | | | | | | | | |
| | | | | | | OIL | | | | | | | | | | | | | |
| | | | | | | SLUDGE | | | | | | | | | | | | | |
| | | | | | | OTHER : | | | | | | | | | | | | | |
| | | | | | | ACID/BASE: | | | | | | | | | | | | | |
| | | | | | | ICE / COOL | | | | | | | | | | | | | |
| | | | | | | OTHER : | | | | | | | | | | | | | |
| | | | | | | DATE | | TIME | | | | | | | | | | | |
| <u>H220071</u> | | <u>1 WW5</u> | | | | <u>X</u> | | <u>X</u> | | <u>1-7-22</u> | | <u>CL</u> | | | | | | | |
| | | <u>2 WW7</u> | | | | <u>X</u> | | <u>X</u> | | <u>1-7-22</u> | | <u>BTEX</u> | | | | | | | |
| | | <u>3 FL 33 @ 3'</u> | | | | <u>X</u> | | <u>X</u> | | <u>1-7-22</u> | | <u>TPH</u> | | | | | | | |
| | | <u>4 FL 35 @ 3'</u> | | | | <u>X</u> | | <u>X</u> | | <u>1-7-22</u> | | | | | | | | | |
| | | <u>5 NW 42</u> | | | | <u>X</u> | | <u>X</u> | | <u>1-7-22</u> | | | | | | | | | |
| | | | | | | <u>X</u> | | | | | | | | | | | | | |
| | | | | | | <u>X</u> | | | | | | | | | | | | | |
| | | | | | | <u>X</u> | | | | | | | | | | | | | |
| | | | | | | <u>X</u> | | | | | | | | | | | | | |
| | | | | | | <u>X</u> | | | | | | | | | | | | | |

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

| | | | | | | | |
|---|--|-------------------------------|--|---|--|---|--|
| Relinquished By: <u>Tyler Griffin</u> | | Date: <u>1-7-22</u> | | Received By: <u>Samora Odeh</u> | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: | |
| Time: <u>1615</u> | | Time: _____ | | Time: _____ | | All Results are emailed. Please provide Email address: | |
| Relinquished By: _____ | | Date: _____ | | Received By: _____ | | REMARKS: | |
| Time: _____ | | Time: _____ | | Time: _____ | | Time: _____ | |
| Delivered By: (Circle One) | | Observed Temp. °C <u>4.8</u> | | Sample Condition | | CHECKED BY: (Initials) | |
| Cool <input type="checkbox"/> Yes <input type="checkbox"/> No | | Corrected Temp. °C <u>4.3</u> | | Cool <input type="checkbox"/> Yes <input type="checkbox"/> No | | Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> | |
| Sampler - UPS - Bus - Other: | | | | | | Bacteria (only) Sample Condition | |
| | | | | | | Cool <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | | | | | Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | | | | | Observed Temp. °C | |
| | | | | | | Corrected Temp. °C | |
| Thermometer ID #113 | | Correction Factor -0.5°C | | | | | |

FORM-006 R 3.2 10/07/21

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

Appendix E

Correspondence

From: [Robbie Runnels](#)
To: [Eads, Cristina, EMNRD](#); [Morgan, Crisha A](#)
Cc: [Connor Walker](#)
Subject: Zach 17/8 W1NC Fed Com #3H
Date: Monday, September 20, 2021 4:16:29 PM

All,

Mewbourne Oil Company had a release greater than 25 bbls at the aforementioned location. The appropriate paperwork will be submitted in the coming days.

Thank you,

Robbie Runnels
Mewbourne Oil Company

Get [Outlook for iOS](#)

From: [Lance Crenshaw](#)
To: [Enviro, OCD, EMNRD](#)
Cc: [Robbie Runnels](#); [Connor Walker](#); [Joel Lowry](#); [Ben Arguijo](#)
Subject: napp2127433772
Date: Friday, January 7, 2022 9:57:19 AM

This email serves as notice that Etech intends to collect excavation confirmation soil samples from the following locations/reportable release sites:

Mewbourne Oil Co – Zach 17/8 W1MD Fed Com #1H Battery– napp2127433772

If you have any questions or need any additional information, please contact Lance Crenshaw by phone (575-631-2532) or email (lance@etechenv.com)

Lance Crenshaw
Etech Environmental & Safety Solutions
575-631-2532

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 91342

CONDITIONS

| | |
|---|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: 14744 |
| | Action Number: 91342 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|--------------------------|----------------|
| Created By | Condition | Condition Date |
| jnobui | Closure Report Approved. | 4/28/2022 |