

| | |
|----------------|----------------|
| Incident ID | nAPP2127342251 |
| 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>270</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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" 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.*

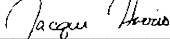
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile 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: Jacqui Harris Title: Sr. Environmental Engineer

Signature:  Date: 3/2/2022

email: Jacqui.Harris@conocophillips.com Telephone: (575) 745-1807

OCD Only

Received by: _____ Date: _____

| | |
|----------------|----------------|
| Incident ID | nAPP2127342251 |
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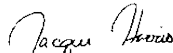
Closure

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: Jacqui Harris Title: Sr. Environmental Engineer
Signature:  Date: 3/2/2022
email: Jacqui.Harris@conocophillips.com Telephone: (575) 745-1807

OCD Only

Received by: Chad Hensley Date: 04/05/2022

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: 04/05/2022
Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Remediation Summary & Soil Closure Request

COG Operating, LLC LPC 31 Federal 002

Lea County, New Mexico

Unit Letter "G", Section 31, Township 18 South, Range 32 East

Latitude 32.70630 North, Longitude 103.80413 West


NMOCD Reference No. nAPP2127342251

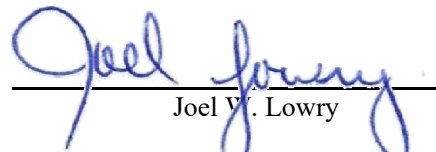
Prepared By:

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 COG Operating, LLC, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the LPC 31 Federal 002. Details of the release are summarized below:

Location of Release Source

Latitude: 32.70630 Longitude: -103.80413

Provided GPS are in WGS84 format.

| | | | |
|--------------------------|--------------------|------------------------|--------------|
| Site Name: | LPC 31 Federal 002 | Site Type: | Tank Battery |
| Date Release Discovered: | 9/9/2021 | API # (if applicable): | 30-025-38157 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| "G" | 31 | 18S | 32E | Lea |

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

Nature and Volume of Release

| | | |
|---|---|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 30 | Volume Recovered (bbls) 25 |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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) Pipeline Liquids | Volume/Weight Released | Volume/Weight Recovered |

Cause of Release:

The release was attributed to a hole in the bottom of the tank due to corrosion. The release occurred within the lined facility. A vacuum truck was dispatched to remove all freestanding fluids.

Initial Response

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

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

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 LPC 31 Federal 002 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? | 270' | |
| 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 type="checkbox"/> Yes | <input checked="" 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 type="checkbox"/> Yes | <input checked="" 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 LPC 31 Federal 002 release site are as follows:

| Probable Depth to Groundwater | Constituent | Laboratory Analytical Method | Closure Criteria*† | Reclamation Standard*‡ |
|-------------------------------|--|-----------------------------------|--------------------|------------------------|
| 270' | Chloride (Cl ⁻) | EPA 300.0 or SM4500 Cl B | 20,000 | 600 |
| | Total Petroleum Hydrocarbons (TPH) | EPA SW-846 Method 8015M Ext | 2,500 | 100 |
| | Gas Range Organics + Diesel Range Organics (GRO + DRO) | EPA SW-846 Method 8015M | 1,000 | N/A |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 | 10 |
| | Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) | EPA SW-846 Methods 8021b or 8260b | 50 | 50 |

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 INITIAL SITE ASSESSMENT

On November 3, 2021, Etech conducted an initial site assessment. During the site assessment, a visual inspection of the containment area liner was performed to check its integrity and confirm that it remained intact. No holes, tears, or other breaches were discovered during the inspection, and it was determined that the lined containment area was able to contain the majority of the spill. However, a portion of the release overflowed the berm and affected an adjacent, unlined containment area to the north-northwest.

On November 9, 2021, Etech continued the initial site assessment. During the site assessment, two (2) hand-augered soil bores (SP1 and SP2) were advanced to the extent practicable within the release margins in the unlined containment area an effort to determine the vertical extent of impacted soil. In addition, four (4) hand-augered soil bores (NH, EH, SH, and WH) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, a total of 12 delineation soil samples (NH @ Surface, NH @ 1', EH @ Surface, EH @ 1', SH @ Surface, SH @ 1', WH @ Surface, WH @ 1', SP1 @ Surface, SP1 @ 4' - R, SP2 @ Surface, and SP2 @ 4' - R) were submitted to a certified commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal extent of impacted soil was adequately defined. However, additional vertical delineation was required in the area characterized by sample point SP1.

On November 15, 2021, hand-augered soil bore SP1 was re-entered and advanced to the extent practicable in an effort to further investigate the vertical extent of impacted soil. A delineation soil sample (SP1 @ 7' - R) was collected during advancement of the soil bore and submitted to the laboratory for analysis of BTEX and TPH chloride. Laboratory analytical results indicated additional vertical delineation was required in the area characterized by sample point SP1.

On December 22, 2021, Etech revisited the site. During the site visit, a test trench was advanced in the area characterized by sample point SP1 to further investigate the vertical extent of impacted soil. During the advancement of the test trench, two (2) delineation soil samples (SP1 @ 8' and SP1 @ 9') were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined, and soil was not affected above the NMOCD Closure Criteria beyond seven (7) feet bgs in the area characterized by sample point SP1.

The locations of the hand-augered soil bores and test trench are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the site are provided in Appendix D.

5.0 REMEDIATION ACTIVITIES SUMMARY

On January 10, 2022, 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 two (2) confirmation soil samples (F3 @ 7' and F4 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in both soil samples. BTEX concentrations were also below the laboratory method detection limit (MDL). TPH concentrations were less than the laboratory MDL in soil sample F3 @ 7' and 68.2 mg/kg in soil sample F4 @ 4'. Chloride concentrations were 16.0 mg/kg in both soil samples.

On January 11, 2022, Etech collected six (6) confirmation soil samples (EW1, WW1, F5 @ 4', F6 @ 4', F7 @ 4', and F8 @ 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL, with the exception of soil sample F5 @ 4', which exhibited a TPH concentration of 19.0 mg/kg. Chloride concentrations ranged from less than the laboratory MDL in soil samples EW1, WW1, and F5 @ 4' to 48.0 mg/kg in soil samples F7 @ 4' and F8 @ 4'.

On January 13, 2022, Etech collected seven (7) confirmation soil samples (NW, EW2, SW, WW2, F9 @ 4', F10 @ 4', and F11 @ 2') 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 in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL, with the exception of soil sample F9 @ 4', which exhibited a TPH concentration of 40.7 mg/kg. Chloride concentrations ranged from 32.0 mg/kg in soil samples NW, EW2, WW2, and F9 @ 4' to 304 mg/kg in soil sample SW.

On January 14, 2022, Etech collected two (2) confirmation soil samples (F1 @ 10' and F2 @ 2') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX concentrations were 189 mg/kg in soil sample F1 @ 10', which exceeded the NMOCD Closure Criterion, and less than the laboratory MDL in soil sample F2 @ 2'. TPH concentrations were 13,410 mg/kg in soil sample F1 @ 10', which exceeded the NMOCD Closure Criterion, and 226 mg/kg in soil sample F2 @ 2', which exceeded the NMOCD Reclamation Standard. Chloride concentrations were below the NMOCD Closure Criteria and the laboratory MDL in both soil samples.

On January 18, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples F1 @ 10' and F2 @ 2'. Etech collected two (2) confirmation soil samples (F1 @ 13' and F2 @ 3') from the floor of the newly excavated areas. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in both soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations were 32.0 mg/kg in both soil samples.

The final dimensions of the excavated area were approximately 110 feet in length, 10 to 28 feet in width, and two (2) to 13 feet in depth. During the course of remediation activities, Etech transported approximately 400 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 380 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the release site are provided in Appendix D.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

The release was limited to the containment area of an active tank battery facility. 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 and compacted/contoured to fit the needs of the facility. Final reclamation and re-vegetation will be conducted upon decommission and abandonment of the facility.

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 COG Operating, LLC, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the LPC 31 Federal 002 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 COG Operating, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or COG Operating, LLC.

9.0 DISTRIBUTION

COG Operating, LLC

*600 West Illinois Avenue
Midland, TX 79701*

New Mexico Energy, Minerals and Natural Resources Department

*Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505*

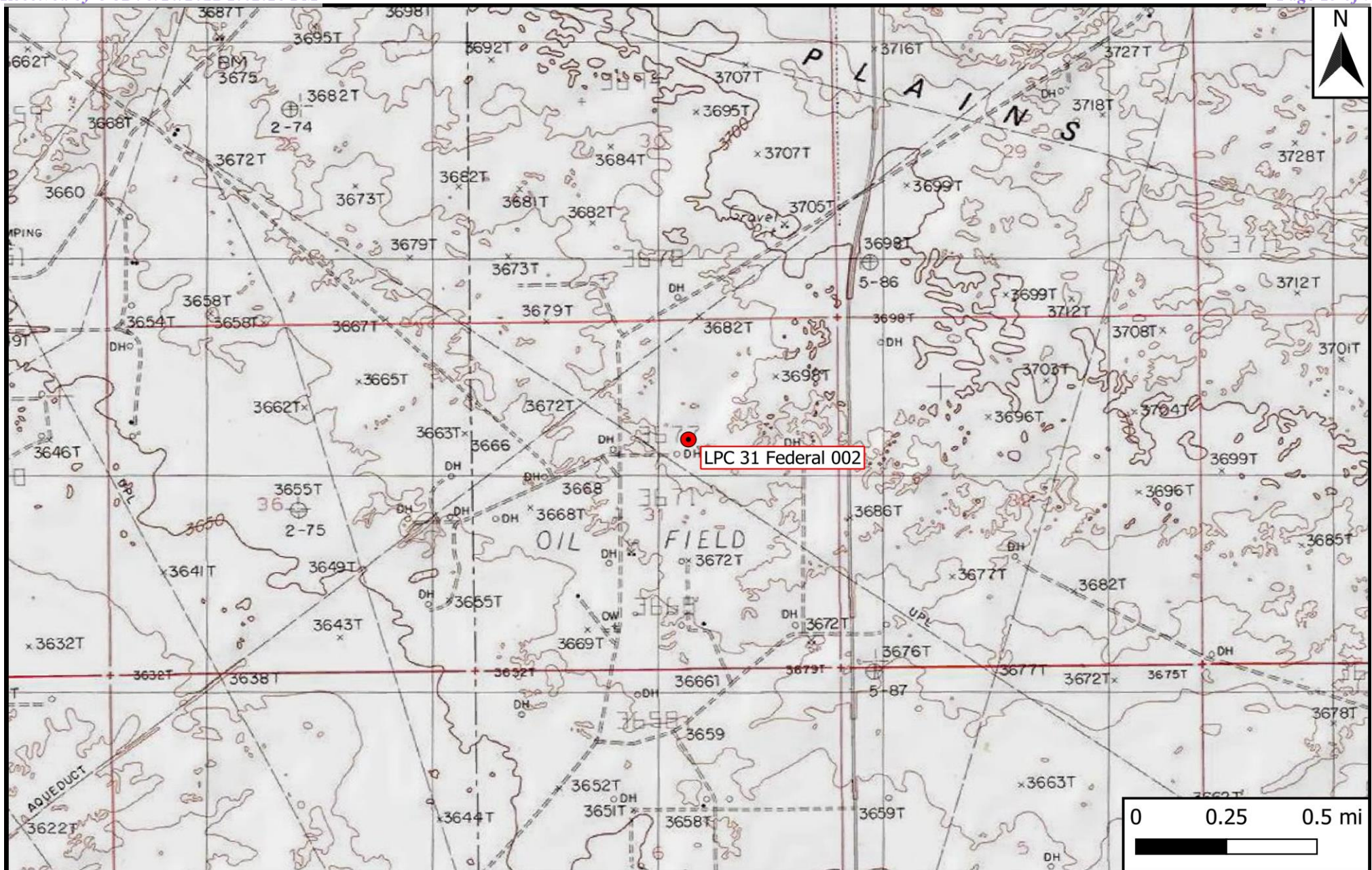
United States Department of the Interior

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

(Electronic Submission)

Figure 1

Topographic Map



Legend

● Site Location

Figure 1

Topographic Map
 COG Operating, LLC
 LPC 31 Federal 002
 GPS: 32.70630, -103.80413
 Lea County

ETECH
 Environmental & Safety Solutions, Inc.

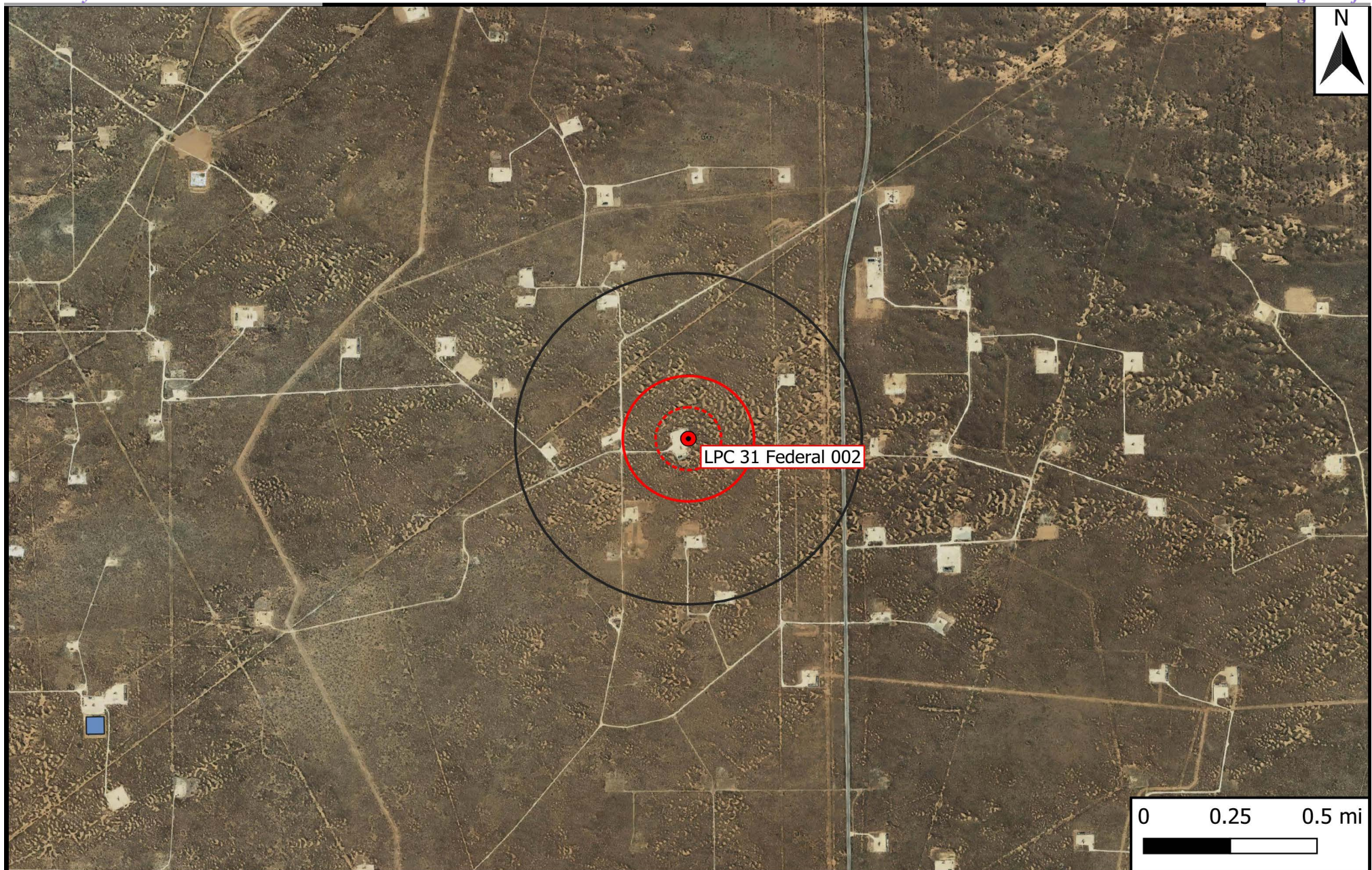
Drafted: bja

Checked: jwl

Date: 2/1/22

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
COG Operating, LLC
LPC 31 Federal 002
GPS: 32.70630, -103.80413
Lea County



Drafted: bja

Checked: jwl

Date: 2/1/22

Figure 3

Site & Sample Location Map



Legend

- | | |
|--|--|
| Excavated Area | Auger Hole |
| Lined Containment Area | Composite Floor Sample |
| Test Trench | Composite Wall Sample |

Figure 3

Site & Sample Location Map
 COG Operating, LLC
 LPC 31 Federal 002
 GPS: 32.70630, -103.80413
 Lea County

eTECH 
 Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 2/16/22

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
COG Operating, LLC
LPC 31 Federal 002
NMOCD Ref. #: nAPP2127342251

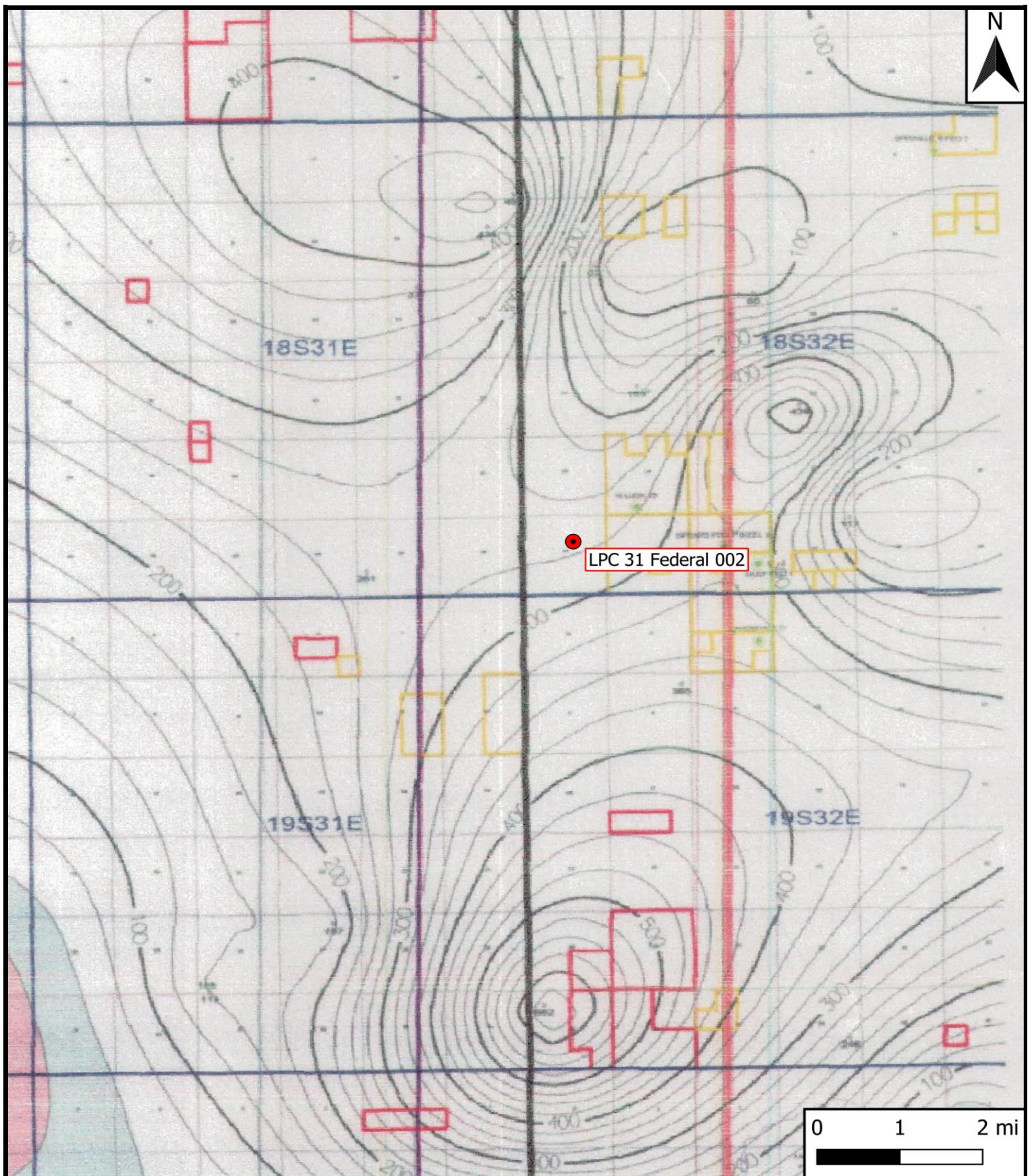
| NMOCD Closure Criteria | | | | 10 | 50 | - | - | 1,000 | - | 2,500 | 20,000 |
|----------------------------|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample 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) |
| NH @ Surface | 11/9/2021 | 0 | In-Situ | <0.050 | <0.300 | <10.0 | 10.7 | 10.7 | <10.0 | 10.7 | 32.0 |
| NH @ 1' | 11/9/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 10.1 | 10.1 | <10.0 | 10.1 | <16.0 |
| EH @ Surface | 11/9/2021 | 0 | In-Situ | <0.050 | <0.300 | <10.0 | 15.5 | 15.5 | <10.0 | 15.5 | 16.0 |
| EH @ 1' | 11/9/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 14.8 | 14.8 | <10.0 | 14.8 | 32.0 |
| SH @ Surface | 11/9/2021 | 0 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SH @ 1' | 11/9/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WH @ Surface | 11/9/2021 | 0 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WH @ 1' | 11/9/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SP1 @ Surface | 11/9/2021 | 0 | Excavated | 4.15 | 199 | 2,370 | 19,800 | 22,200 | 3,140 | 25,300 | 32.0 |
| SP1 @ 4' - R | 11/9/2021 | 4 | Excavated | 12.6 | 413 | 3,910 | 7,610 | 11,500 | 1,060 | 12,600 | 16.0 |
| SP1 @ 7' - R | 11/15/2021 | 7 | Excavated | 7.60 | 256 | 2,280 | 4,950 | 7,230 | 604 | 7,830 | - |
| SP1 @ 8' | 12/22/2021 | 8 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SP1 @ 9' | 12/22/2021 | 9 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| SP2 @ Surface | 11/9/2021 | 0 | Excavated | 5.14 | 297 | 3,580 | 36,300 | 39,900 | 5,660 | 45,500 | 32.0 |
| SP2 @ 4' - R | 11/9/2021 | 4 | Excavated | <0.050 | 0.891 | 20.1 | 190 | 210 | 29.2 | 239 | 32.0 |
| NW | 1/13/2022 | 3-11 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| EW1 | 1/11/2022 | 2-11 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| EW2 | 1/13/2022 | 1.5-3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW | 1/13/2022 | 0- | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| WW1 | 1/11/2022 | 2-11 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| WW2 | 1/13/2022 | 1-3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| F1 @ 10' | 1/14/2022 | 10 | Excavated | <0.500 | 189 | 2,350 | 9,550 | 11,900 | 1,510 | 13,400 | <16.0 |
| F1 @ 13' | 1/18/2022 | 13 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| F2 @ 2' | 1/14/2022 | 2 | Excavated | <0.050 | <0.300 | <10.0 | 194 | 194 | 32.3 | 226 | <16.0 |
| F2 @ 3' | 1/18/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| F3 @ 7' | 1/10/2022 | 7 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| F4 @ 4' | 1/10/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | 68.2 | 68.2 | <10.0 | 68.2 | 16.0 |
| F5 @ 4' | 1/11/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | 19.0 | 19.0 | <10.0 | 19.0 | <16.0 |
| F6 @ 4' | 1/11/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| F7 @ 4' | 1/11/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| F8 @ 4' | 1/11/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| F9 @ 4' | 1/13/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | 40.7 | 40.7 | <10.0 | 40.7 | 32.0 |
| F10 @ 4' | 1/13/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| F11 @ 2' | 1/13/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |

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
COG Operating, LLC
LPC 31 Federal 002
GPS: 32.70630, -103.80413
Lea County



Drafted: bja

Checked: jwl

Date: 2/1/22



(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 612085.26

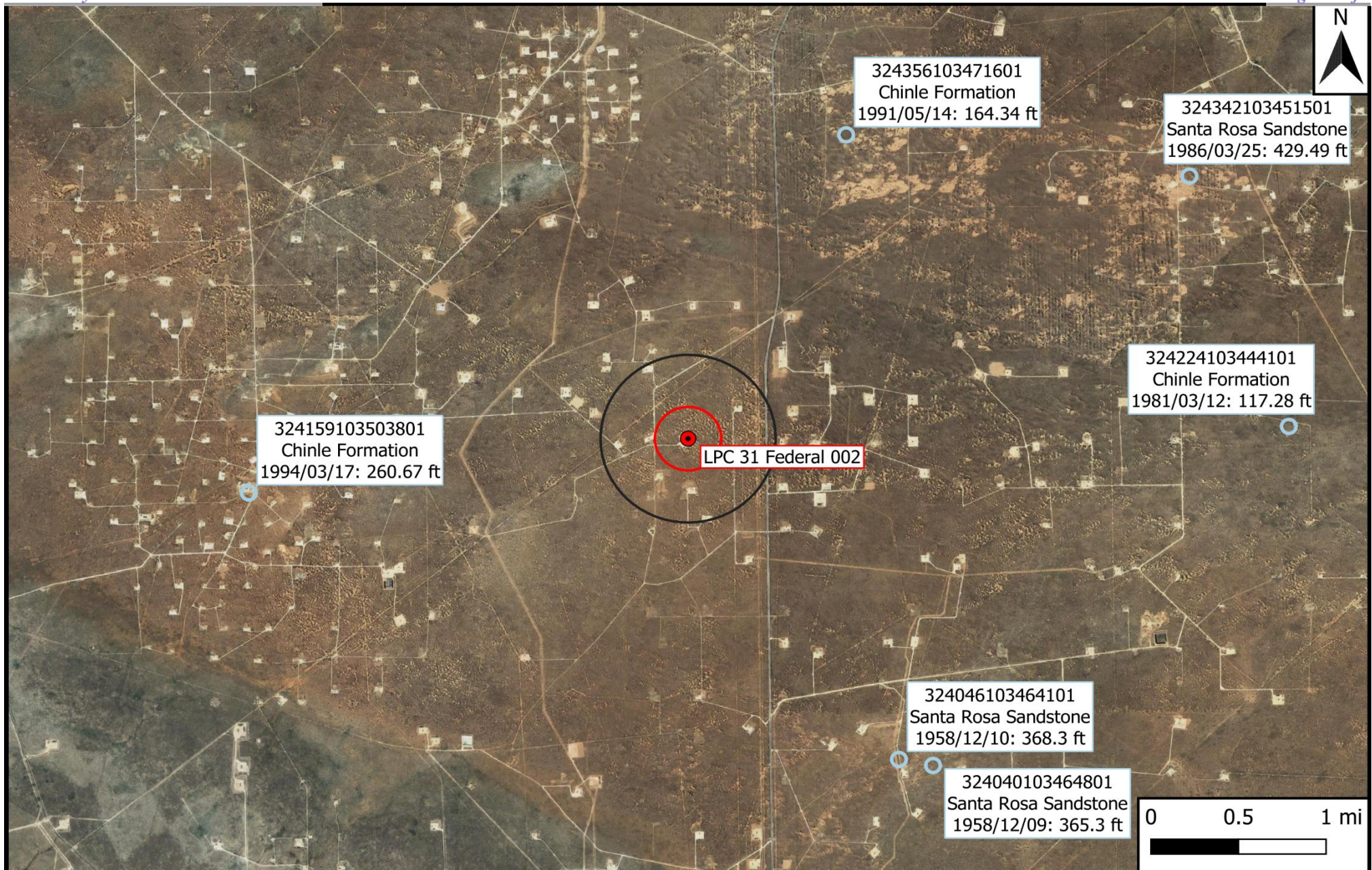
Northing (Y): 3619360.19

Radius: 3220

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.

10/15/21 7:40 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



Legend

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

Figure 5

USGS Well Proximity Map
COG Operating, LLC
LPC 31 Federal 002
GPS: 32.70630, -103.80413
Lea County

eTECH

Environmental & Safety Solutions, Inc.



Drafted: bja

Checked: jwl

Date: 2/1/22

Appendix B

Field Data

Sample Log

Date:

11/9/21

Project: LPC 31 Feb 2

Project Number:

15019

Latitude:

32.7063

Longitude:

-103.80413

[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

Appendix C

Laboratory Analytical Reports



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

November 12, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 11/09/21 16:00.

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH @ SURFACE (H213191-01)

| 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 | 11/10/2021 | ND | 2.12 | 106 | 2.00 | 0.652 | |
| Toluene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.04 | 102 | 2.00 | 1.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.03 | 101 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 11/10/2021 | ND | 6.22 | 104 | 6.00 | 0.610 | |
| Total BTX | <0.300 | 0.300 | 11/10/2021 | 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 | 32.0 | 16.0 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 10.7 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.2 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH @ 1' (H213191-02)

| 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 | 11/10/2021 | ND | 2.12 | 106 | 2.00 | 0.652 | |
| Toluene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.04 | 102 | 2.00 | 1.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.03 | 101 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 11/10/2021 | ND | 6.22 | 104 | 6.00 | 0.610 | |
| Total BTEx | <0.300 | 0.300 | 11/10/2021 | 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 | <16.0 | 16.0 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 10.1 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.0 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EH @ SURFACE (H213191-03)

| 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 | 11/10/2021 | ND | 2.12 | 106 | 2.00 | 0.652 | |
| Toluene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.04 | 102 | 2.00 | 1.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.03 | 101 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 11/10/2021 | ND | 6.22 | 104 | 6.00 | 0.610 | |
| Total BTEx | <0.300 | 0.300 | 11/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 15.5 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.4 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EH @ 1' (H213191-04)

| 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 | 11/10/2021 | ND | 2.12 | 106 | 2.00 | 0.652 | |
| Toluene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.04 | 102 | 2.00 | 1.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/10/2021 | ND | 2.03 | 101 | 2.00 | 1.30 | |
| Total Xylenes* | <0.150 | 0.150 | 11/10/2021 | ND | 6.22 | 104 | 6.00 | 0.610 | |
| Total BTX | <0.300 | 0.300 | 11/10/2021 | 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 | 32.0 | 16.0 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 14.8 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 68.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.9 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH @ SURFACE (H213191-05)

| 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 | 11/11/2021 | ND | 2.02 | 101 | 2.00 | 3.32 | | |
| Toluene* | <0.050 | 0.050 | 11/11/2021 | ND | 1.88 | 94.1 | 2.00 | 4.08 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/11/2021 | ND | 1.89 | 94.5 | 2.00 | 3.09 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/11/2021 | ND | 5.78 | 96.3 | 6.00 | 3.11 | | |
| Total BTEx | <0.300 | 0.300 | 11/11/2021 | 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 | <16.0 | 16.0 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.8 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH @ 1' (H213191-06)

| 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 | 11/11/2021 | ND | 2.02 | 101 | 2.00 | 3.32 | |
| Toluene* | <0.050 | 0.050 | 11/11/2021 | ND | 1.88 | 94.1 | 2.00 | 4.08 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/11/2021 | ND | 1.89 | 94.5 | 2.00 | 3.09 | |
| Total Xylenes* | <0.150 | 0.150 | 11/11/2021 | ND | 5.78 | 96.3 | 6.00 | 3.11 | |
| Total BTX | <0.300 | 0.300 | 11/11/2021 | 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 | <16.0 | 16.0 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.9 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH @ SURFACE (H213191-07)

| 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 | 11/11/2021 | ND | 2.02 | 101 | 2.00 | 3.32 | |
| Toluene* | <0.050 | 0.050 | 11/11/2021 | ND | 1.88 | 94.1 | 2.00 | 4.08 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/11/2021 | ND | 1.89 | 94.5 | 2.00 | 3.09 | |
| Total Xylenes* | <0.150 | 0.150 | 11/11/2021 | ND | 5.78 | 96.3 | 6.00 | 3.11 | |
| Total BTX | <0.300 | 0.300 | 11/11/2021 | 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 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH @ 1' (H213191-08)

| 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 | 11/11/2021 | ND | 2.02 | 101 | 2.00 | 3.32 | |
| Toluene* | 0.084 | 0.050 | 11/11/2021 | ND | 1.88 | 94.1 | 2.00 | 4.08 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/11/2021 | ND | 1.89 | 94.5 | 2.00 | 3.09 | |
| Total Xylenes* | <0.150 | 0.150 | 11/11/2021 | ND | 5.78 | 96.3 | 6.00 | 3.11 | |
| Total BTEx | <0.300 | 0.300 | 11/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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 | 11/11/2021 | 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 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.0 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ SURFACE (H213191-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 4.15 | 0.500 | 11/11/2021 | ND | 2.02 | 101 | 2.00 | 3.32 | |
| Toluene* | 50.9 | 0.500 | 11/11/2021 | ND | 1.88 | 94.1 | 2.00 | 4.08 | |
| Ethylbenzene* | 41.7 | 0.500 | 11/11/2021 | ND | 1.89 | 94.5 | 2.00 | 3.09 | |
| Total Xylenes* | 102 | 1.50 | 11/11/2021 | ND | 5.78 | 96.3 | 6.00 | 3.11 | |
| Total BTEX | 199 | 3.00 | 11/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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 | 11/11/2021 | ND | 416 | 104 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | S-06 |

| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | S-06 | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 2370 | 50.0 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 19800 | 50.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | 3140 | 50.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 275 % 44.3-133

Surrogate: 1-Chlorooctadecane 580 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 4' - R (H213191-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 12.6 | 1.00 | 11/11/2021 | ND | 2.02 | 101 | 2.00 | 3.32 | |
| Toluene* | 133 | 1.00 | 11/11/2021 | ND | 1.88 | 94.1 | 2.00 | 4.08 | |
| Ethylbenzene* | 82.3 | 1.00 | 11/11/2021 | ND | 1.89 | 94.5 | 2.00 | 3.09 | |
| Total Xylenes* | 185 | 3.00 | 11/11/2021 | ND | 5.78 | 96.3 | 6.00 | 3.11 | |
| Total BTEX | 413 | 6.00 | 11/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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 | 11/11/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 3910 | 100 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 7610 | 100 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | 1060 | 100 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 210 % 44.3-133

Surrogate: 1-Chlorooctadecane 249 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ SURFACE (H213191-11)

| BTX 8021B | | mg/kg | Analyzed By: MS | | | | | S-04 | |
|-----------------------|-------------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 5.14 | 0.500 | 11/10/2021 | ND | 2.12 | 106 | 2.00 | 0.652 | |
| Toluene* | 70.6 | 0.500 | 11/10/2021 | ND | 2.04 | 102 | 2.00 | 1.38 | |
| Ethylbenzene* | 62.1 | 0.500 | 11/10/2021 | ND | 2.03 | 101 | 2.00 | 1.30 | |
| Total Xylenes* | 159 | 1.50 | 11/10/2021 | ND | 6.22 | 104 | 6.00 | 0.610 | |
| Total BTX | 297 | 3.00 | 11/10/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 142 % 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 | 11/11/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | S-06 | |
|----------------------------|--------------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 3580 | 50.0 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 36300 | 50.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | 5660 | 50.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 379 % 44.3-133

Surrogate: 1-Chlorooctadecane 1020 % 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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 11/09/2021
 Reported: 11/12/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 4' - R (H213191-12)

| 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 | 11/11/2021 | ND | 2.05 | 102 | 2.00 | 0.211 | |
| Toluene* | 0.074 | 0.050 | 11/11/2021 | ND | 1.98 | 99.0 | 2.00 | 4.11 | |
| Ethylbenzene* | 0.154 | 0.050 | 11/11/2021 | ND | 1.94 | 97.1 | 2.00 | 5.64 | |
| Total Xylenes* | 0.664 | 0.150 | 11/11/2021 | ND | 5.97 | 99.6 | 6.00 | 4.25 | |
| Total BTEX | 0.891 | 0.300 | 11/11/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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 | 11/11/2021 | 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* | 20.1 | 10.0 | 11/11/2021 | ND | 218 | 109 | 200 | 0.795 | |
| DRO >C10-C28* | 190 | 10.0 | 11/11/2021 | ND | 203 | 101 | 200 | 0.697 | |
| EXT DRO >C28-C36 | 29.2 | 10.0 | 11/11/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|------|--|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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



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

November 19, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 11/16/21 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 fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/16/2021
 Reported: 11/19/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 11/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 7' - R (H213276-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 7.60 | 0.500 | 11/17/2021 | ND | 2.22 | 111 | 2.00 | 8.33 | |
| Toluene* | 85.1 | 0.500 | 11/17/2021 | ND | 2.11 | 106 | 2.00 | 7.85 | |
| Ethylbenzene* | 49.8 | 0.500 | 11/17/2021 | ND | 2.09 | 104 | 2.00 | 7.73 | |
| Total Xylenes* | 114 | 1.50 | 11/17/2021 | ND | 6.32 | 105 | 6.00 | 6.76 | |
| Total BTX | 256 | 3.00 | 11/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 122 % 69.9-140

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | S-06 |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | 2280 | 50.0 | 11/18/2021 | ND | 201 | 101 | 200 | 2.96 | | |
| DRO >C10-C28* | 4950 | 50.0 | 11/18/2021 | ND | 223 | 111 | 200 | 0.335 | | |
| EXT DRO >C28-C36 | 604 | 50.0 | 11/18/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 177 % 44.3-133

Surrogate: 1-Chlorooctadecane 189 % 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

Notes and Definitions

| | |
|------|--|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|-------------------|--------------|---------------------|------------|----------|-----|-------------------------|--------|------------|------------|--------|-----------------|------|------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Etech Environmental & Safety Solutions</u> | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Joel Lowry</u> | | | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: <u>2617 Marland</u> | | | | Company: <u>COG</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: <u>575-264-9884</u> Fax #: | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>15019</u> Project Owner: <u>COG</u> | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>LPC 31 Fed 2</u> | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Rural Lea Co, NM</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Miguel Ramrez</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 | | | | | | | | | | | | | | |
| <u>H213276</u> | <u>1 SP 1 @ 75R</u> | <u>G</u> | <u>1</u> | | | <u>X</u> | | | | | <u>X</u> | | <u>11/15/21</u> | | <u>TPH</u> | <u>BTEX</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>[Signature]</u> | | Date: <u>11/16-21</u> | Received By: <u>[Signature]</u> | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: | |
| Time: <u>1630</u> | | | Time: <u>1630</u> | | All Results are emailed. Please provide Email address: | |
| Relinquished By: | | Date: | Received By: | | REMARKS: <u>pm@etechenv.com</u> | |
| Time: | | | | | | |
| Delivered By: (Circle One) | | Observed Temp. °C <u>55</u> | Sample Condition | | Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/> | |
| Sampler - UPS - Bus - Other: | | Corrected Temp. °C <u>50</u> | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> | | Bacteria (only) Sample Condition | |
| | | | CHECKED BY: (Initials) <u>TO</u> | | Cool Intact Observed Temp. °C | |
| | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> Yes | |
| | | | | | <input type="checkbox"/> No <input type="checkbox"/> No | |
| | | | | | Corrected Temp. °C | |

FORM-006 R 3.2 10/07/21

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



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

December 28, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 12/22/21 15:00.

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 12/22/2021
 Reported: 12/28/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 12/22/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 8' (H213701-01)

| 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 | 12/23/2021 | ND | 2.13 | 107 | 2.00 | 4.98 | |
| Toluene* | <0.050 | 0.050 | 12/23/2021 | ND | 2.02 | 101 | 2.00 | 5.41 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/23/2021 | ND | 1.99 | 99.4 | 2.00 | 5.32 | |
| Total Xylenes* | <0.150 | 0.150 | 12/23/2021 | ND | 6.17 | 103 | 6.00 | 5.59 | |
| Total BTX | <0.300 | 0.300 | 12/23/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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 | 48.0 | 16.0 | 12/23/2021 | 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 | 12/23/2021 | ND | 208 | 104 | 200 | 2.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2021 | ND | 219 | 109 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 62-130

Surrogate: 1-Chlorooctadecane 109 % 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

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".

Celey D. Keene, Lab Director/Quality Manager



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

December 28, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 12/22/21 15:00.

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.

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| | |
|------------------|------------------------------|
| 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.

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 12/22/2021
 Reported: 12/28/2021
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 12/22/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 9' (H213702-01)

| 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 | 12/23/2021 | ND | 2.13 | 107 | 2.00 | 4.98 | | |
| Toluene* | <0.050 | 0.050 | 12/23/2021 | ND | 2.02 | 101 | 2.00 | 5.41 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/23/2021 | ND | 1.99 | 99.4 | 2.00 | 5.32 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/23/2021 | ND | 6.17 | 103 | 6.00 | 5.59 | | |
| Total BTEx | <0.300 | 0.300 | 12/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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 | 16.0 | 16.0 | 12/23/2021 | 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 | 12/23/2021 | ND | 208 | 104 | 200 | 2.37 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2021 | ND | 219 | 109 | 200 | 3.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.3 % 62-130

Surrogate: 1-Chlorooctadecane 103 % 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

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".

Celey D. Keene, Lab Director/Quality Manager



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

January 12, 2022

KATHY PURVIS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 01/11/22 8:55.

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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/11/2022
 Reported: 01/12/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/10/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 3 @ 7' (H220103-01)

| 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 | 01/11/2022 | ND | 2.12 | 106 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/11/2022 | ND | 2.07 | 103 | 2.00 | 3.51 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2022 | ND | 2.00 | 99.9 | 2.00 | 3.44 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2022 | ND | 6.02 | 100 | 6.00 | 3.77 | |
| Total BTX | <0.300 | 0.300 | 01/11/2022 | 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 | 16.0 | 16.0 | 01/11/2022 | 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 | 01/11/2022 | ND | 226 | 113 | 200 | 6.21 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/11/2022 | ND | 219 | 110 | 200 | 3.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/11/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.9 % 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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/11/2022
 Reported: 01/12/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/10/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 4 @ 4' (H220103-02)

| 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 | 01/11/2022 | ND | 2.12 | 106 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/11/2022 | ND | 2.07 | 103 | 2.00 | 3.51 | |
| Ethylbenzene* | 0.050 | 0.050 | 01/11/2022 | ND | 2.00 | 99.9 | 2.00 | 3.44 | |
| Total Xylenes* | 0.234 | 0.150 | 01/11/2022 | ND | 6.02 | 100 | 6.00 | 3.77 | |
| Total BTEx | <0.300 | 0.300 | 01/11/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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 | 01/11/2022 | 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 | 01/11/2022 | ND | 226 | 113 | 200 | 6.21 | |
| DRO >C10-C28* | 68.2 | 10.0 | 01/11/2022 | ND | 219 | 110 | 200 | 3.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/11/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.8 % 59.5-142

Cardinal Laboratories

*=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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

January 13, 2022

KATHY PURVIS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 01/12/22 8:55.

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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/12/2022
 Reported: 01/13/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 5 @ 4' (H220115-01)

| 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 | 01/12/2022 | ND | 2.20 | 110 | 2.00 | 2.81 | | |
| Toluene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.65 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.19 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2022 | ND | 6.52 | 109 | 6.00 | 2.48 | | |
| Total BTEx | <0.300 | 0.300 | 01/12/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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 | 01/12/2022 | 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 | 01/12/2022 | ND | 213 | 106 | 200 | 2.62 | |
| DRO >C10-C28* | 19.0 | 10.0 | 01/12/2022 | ND | 221 | 110 | 200 | 0.186 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.3 % 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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/12/2022
 Reported: 01/13/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 6 @ 4' (H220115-02)

| 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 | 01/12/2022 | ND | 2.20 | 110 | 2.00 | 2.81 | |
| Toluene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2022 | ND | 6.52 | 109 | 6.00 | 2.48 | |
| Total BTX | <0.300 | 0.300 | 01/12/2022 | 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 | 32.0 | 16.0 | 01/12/2022 | 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 | 01/12/2022 | ND | 213 | 106 | 200 | 2.62 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2022 | ND | 221 | 110 | 200 | 0.186 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/12/2022
 Reported: 01/13/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 7 @ 4' (H220115-03)

| 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 | 01/12/2022 | ND | 2.20 | 110 | 2.00 | 2.81 | |
| Toluene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2022 | ND | 6.52 | 109 | 6.00 | 2.48 | |
| Total BTEx | <0.300 | 0.300 | 01/12/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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 | 48.0 | 16.0 | 01/12/2022 | 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 | 01/12/2022 | ND | 213 | 106 | 200 | 2.62 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2022 | ND | 221 | 110 | 200 | 0.186 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/12/2022
 Reported: 01/13/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 8 @ 4' (H220115-04)

| 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 | 01/12/2022 | ND | 2.20 | 110 | 2.00 | 2.81 | |
| Toluene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2022 | ND | 6.52 | 109 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2022 | 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 | 48.0 | 16.0 | 01/12/2022 | 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 | 01/12/2022 | ND | 213 | 106 | 200 | 2.62 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2022 | ND | 221 | 110 | 200 | 0.186 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 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

Analytical Results For:

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

Received: 01/12/2022
 Reported: 01/13/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H220115-05)

| 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 | 01/12/2022 | ND | 2.20 | 110 | 2.00 | 2.81 | |
| Toluene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2022 | ND | 6.52 | 109 | 6.00 | 2.48 | |
| Total BTX | <0.300 | 0.300 | 01/12/2022 | 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 | <16.0 | 16.0 | 01/12/2022 | 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 | 01/12/2022 | ND | 213 | 106 | 200 | 2.62 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2022 | ND | 221 | 110 | 200 | 0.186 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 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

Analytical Results For:

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

Received: 01/12/2022
 Reported: 01/13/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H220115-06)

| 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 | 01/12/2022 | ND | 2.20 | 110 | 2.00 | 2.81 | |
| Toluene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2022 | ND | 2.09 | 105 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2022 | ND | 6.52 | 109 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2022 | 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 | 01/12/2022 | 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 | 01/12/2022 | ND | 213 | 106 | 200 | 2.62 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2022 | ND | 221 | 110 | 200 | 0.186 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 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

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 9 of 9

| | | | | | | | | | | | | | | | | | | | | |
|---|-------------|--|--------------|---|------------|--|-----|-------------------------|-------|----------|-------------|--------------|---------|--|---|---|---|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 15019 Project Owner: COG Project Name: LPC31 Fed 2 Project Location: Rural Lea Sampler Name: Dominic Casarez | | | | BILL TO P.O. #: Company: COG Attn: Jacqui Harris 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 | | | | | | | | | | | |
| H220115 | | | | | | | | | | | | | | | | | | | | |
| 1 | F5 @ 4' | C | 1 | | | ✓ | | | | ✓ | | | 1/11/22 | | X | X | X | | | |
| 2 | F6 @ 4' | C | 1 | | | ✓ | | | | ✓ | | | 1/11/22 | | X | X | X | | | |
| 3 | F7 @ 4' | C | 1 | | | ✓ | | | | ✓ | | | 1/11/22 | | X | X | X | | | |
| 4 | F8 @ 4' | C | 1 | | | ✓ | | | | ✓ | | | 1/11/22 | | X | X | X | | | |
| 5 | EW1 | C | 1 | | | ✓ | | | | ✓ | | | 1/11/22 | | X | X | X | | | |
| 6 | WW1 | C | 1 | | | ✓ | | | | ✓ | | | 1/11/22 | | X | X | X | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Dan Ca Date: 1/11/22 Time: 5:00pm | | Received By: [Signature] Date: 1-12-22 Time: 0855 | | 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: Push! | | | | | | | | | | | | | | | | |
| Relinquished By: [Signature] Delivered By: (Circle One) -84°C -0.5°C Sampler - UPS - Bus - Other: -8.9°C #113 | | Received By: [Signature] Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> | | CHECKED BY: [Signature] (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



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

January 17, 2022

KATHY PURVIS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 01/14/22 8:11.

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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/14/2022
 Reported: 01/17/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: F 9 @ 4' (H220160-01)

| 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 | 01/14/2022 | ND | 1.90 | 94.9 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.83 | 91.5 | 2.00 | 12.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.81 | 90.3 | 2.00 | 12.2 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2022 | ND | 5.48 | 91.4 | 6.00 | 11.6 | |
| Total BTX | <0.300 | 0.300 | 01/14/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 01/14/2022 | 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 | 01/15/2022 | ND | 248 | 124 | 200 | 19.3 | |
| DRO >C10-C28* | 40.7 | 10.0 | 01/15/2022 | ND | 232 | 116 | 200 | 12.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/15/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.2 % 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

Analytical Results For:

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

Received: 01/14/2022
 Reported: 01/17/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: F 10 @ 4' (H220160-02)

| 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 | 01/14/2022 | ND | 1.90 | 94.9 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.83 | 91.5 | 2.00 | 12.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.81 | 90.3 | 2.00 | 12.2 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2022 | ND | 5.48 | 91.4 | 6.00 | 11.6 | |
| Total BTX | <0.300 | 0.300 | 01/14/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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 | 224 | 16.0 | 01/14/2022 | 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 | 01/15/2022 | ND | 248 | 124 | 200 | 19.3 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/15/2022 | ND | 232 | 116 | 200 | 12.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/15/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 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

Analytical Results For:

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

Received: 01/14/2022
 Reported: 01/17/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: F 11 @ 2' (H220160-03)

| 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 | 01/14/2022 | ND | 1.90 | 94.9 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.83 | 91.5 | 2.00 | 12.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.81 | 90.3 | 2.00 | 12.2 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2022 | ND | 5.48 | 91.4 | 6.00 | 11.6 | |
| Total BTX | <0.300 | 0.300 | 01/14/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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 | 48.0 | 16.0 | 01/14/2022 | 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 | 01/15/2022 | ND | 248 | 124 | 200 | 19.3 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/15/2022 | ND | 232 | 116 | 200 | 12.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/15/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/14/2022
 Reported: 01/17/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SW (H220160-04)

| 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 | 01/14/2022 | ND | 1.90 | 94.9 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.83 | 91.5 | 2.00 | 12.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.81 | 90.3 | 2.00 | 12.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2022 | ND | 5.48 | 91.4 | 6.00 | 11.6 | | |
| Total BTEX | <0.300 | 0.300 | 01/14/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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 | 304 | 16.0 | 01/14/2022 | 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 | 01/15/2022 | ND | 248 | 124 | 200 | 19.3 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/15/2022 | ND | 232 | 116 | 200 | 12.0 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/15/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 110 % 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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/14/2022
 Reported: 01/17/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NW (H220160-05)

| 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 | 01/14/2022 | ND | 1.90 | 94.9 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.83 | 91.5 | 2.00 | 12.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.81 | 90.3 | 2.00 | 12.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2022 | ND | 5.48 | 91.4 | 6.00 | 11.6 | | |
| Total BTX | <0.300 | 0.300 | 01/14/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 01/14/2022 | 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 | 01/15/2022 | ND | 248 | 124 | 200 | 19.3 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/15/2022 | ND | 232 | 116 | 200 | 12.0 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/15/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 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

Analytical Results For:

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

Received: 01/14/2022
 Reported: 01/17/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WW 2 (H220160-06)

| 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 | 01/14/2022 | ND | 1.90 | 94.9 | 2.00 | 11.7 | | |
| Toluene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.83 | 91.5 | 2.00 | 12.3 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.81 | 90.3 | 2.00 | 12.2 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2022 | ND | 5.48 | 91.4 | 6.00 | 11.6 | | |
| Total BTEX | <0.300 | 0.300 | 01/14/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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 | 32.0 | 16.0 | 01/14/2022 | 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 | 01/15/2022 | ND | 248 | 124 | 200 | 19.3 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/15/2022 | ND | 232 | 116 | 200 | 12.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/15/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/14/2022
 Reported: 01/17/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EW 2 (H220160-07)

| 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 | 01/14/2022 | ND | 1.90 | 94.9 | 2.00 | 11.7 | |
| Toluene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.83 | 91.5 | 2.00 | 12.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2022 | ND | 1.81 | 90.3 | 2.00 | 12.2 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2022 | ND | 5.48 | 91.4 | 6.00 | 11.6 | |
| Total BTX | <0.300 | 0.300 | 01/14/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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 | 01/14/2022 | 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 | 01/15/2022 | ND | 248 | 124 | 200 | 19.3 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/15/2022 | ND | 232 | 116 | 200 | 12.0 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/15/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

Cardinal Laboratories

*=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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

January 18, 2022

KATHY PURVIS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 01/17/22 8:15.

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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/17/2022
 Reported: 01/18/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: F 1 @ 10' (H220172-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | S-04 | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 01/17/2022 | ND | 2.08 | 104 | 2.00 | 0.863 | |
| Toluene* | 18.2 | 0.500 | 01/17/2022 | ND | 2.03 | 101 | 2.00 | 0.599 | |
| Ethylbenzene* | 46.0 | 0.500 | 01/17/2022 | ND | 2.02 | 101 | 2.00 | 0.462 | |
| Total Xylenes* | 125 | 1.50 | 01/17/2022 | ND | 6.10 | 102 | 6.00 | 0.327 | |
| Total BTX | 189 | 3.00 | 01/17/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 159 % 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 | 01/17/2022 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 2350 | 100 | 01/17/2022 | ND | 205 | 103 | 200 | 0.726 | |
| DRO >C10-C28* | 9550 | 100 | 01/17/2022 | ND | 216 | 108 | 200 | 0.629 | |
| EXT DRO >C28-C36 | 1510 | 100 | 01/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 280 % 66.9-136

Surrogate: 1-Chlorooctadecane 213 % 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

Analytical Results For:

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

Received: 01/17/2022
 Reported: 01/18/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: F 2 @ 2' (H220172-02)

| 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 | 01/17/2022 | ND | 2.08 | 104 | 2.00 | 0.863 | |
| Toluene* | <0.050 | 0.050 | 01/17/2022 | ND | 2.03 | 101 | 2.00 | 0.599 | |
| Ethylbenzene* | 0.050 | 0.050 | 01/17/2022 | ND | 2.02 | 101 | 2.00 | 0.462 | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2022 | ND | 6.10 | 102 | 6.00 | 0.327 | |
| Total BTX | <0.300 | 0.300 | 01/17/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 01/17/2022 | 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 | 01/17/2022 | ND | 205 | 103 | 200 | 0.726 | |
| DRO >C10-C28* | 194 | 10.0 | 01/17/2022 | ND | 216 | 108 | 200 | 0.629 | |
| EXT DRO >C28-C36 | 32.3 | 10.0 | 01/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES





101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Page 5 of 5

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------|--|--|--|---|--------------|--|-----|--------|----------|------------|------------|--------|-------|-------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 15019 Project Owner: COG Project Name: LPC 31 Fed 2 Project Location: Rural Lea Sampler Name: Dominic Casarez | | | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | P.O. #: Company: COG Attn: Jacqu Harris Address: City: State: Zip: Phone #: Fax #: | | <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> | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | Lab I.D. | | Sample I.D. | | G/RAB OR (C)COMP. | # CONTAINERS | MATRIX | | | PRESERV. | SAMPLING | | | | | | | | | | | | | | | | | | | |
| | | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | | | | | | | | | | | | | | | |
| H220172 | | | | | | 1 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 11/12 | 11:12 | X | X | X | | | | | | | | | | | | |
| 2 | | | | | | 1 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 11/12 | 11:12 | X | X | X | | | | | | | | | | | | |
| KIP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished By:  Date: 11/12/22 Time: 5:00pm | | | | Received By:  Date: 11/17/22 Time: 03:15 | | | | 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: <div style="font-size: 2em; font-weight: bold; text-align: center;">Rush!</div> | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By:  Date: 11/17/22 Time: 03:15 | | | | Received By: Jodi Henson Date: 11/17/22 Time: 03:15 | | | | Please email copy of COC and results to pm@etechenv.com. | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) - 122 - 5 correction - 12:50 | | | | Sample Condition Cool - Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | CHECKED BY: (Initials)  | | | | | | | | | | | | | | | | | | | | | | | |

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

January 19, 2022

KATHY PURVIS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LPC 31 FED 2

Enclosed are the results of analyses for samples received by the laboratory on 01/18/22 16:40.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2022
 Reported: 01/19/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 1 @ 13' (H220203-01)

| 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 | 01/19/2022 | ND | 1.94 | 96.9 | 2.00 | 4.94 | |
| Toluene* | <0.050 | 0.050 | 01/19/2022 | ND | 1.85 | 92.7 | 2.00 | 6.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2022 | ND | 1.82 | 90.9 | 2.00 | 7.27 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2022 | ND | 5.52 | 92.0 | 6.00 | 6.63 | |
| Total BTX | <0.300 | 0.300 | 01/19/2022 | 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 | 32.0 | 16.0 | 01/19/2022 | 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 | 01/19/2022 | ND | 207 | 104 | 200 | 6.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/19/2022 | ND | 200 | 100 | 200 | 14.7 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.9 % 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
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/18/2022
 Reported: 01/19/2022
 Project Name: LPC 31 FED 2
 Project Number: 15019
 Project Location: COG - LEA CO NM

Sampling Date: 01/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 2 @ 3' (H220203-02)

| 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 | 01/19/2022 | ND | 1.94 | 96.9 | 2.00 | 4.94 | |
| Toluene* | <0.050 | 0.050 | 01/19/2022 | ND | 1.85 | 92.7 | 2.00 | 6.37 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2022 | ND | 1.82 | 90.9 | 2.00 | 7.27 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2022 | ND | 5.52 | 92.0 | 6.00 | 6.63 | |
| Total BTEx | <0.300 | 0.300 | 01/19/2022 | 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 | 32.0 | 16.0 | 01/19/2022 | 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 | 01/19/2022 | ND | 207 | 104 | 200 | 6.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/19/2022 | ND | 200 | 100 | 200 | 14.7 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.7 % 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

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10f1

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------------------|--------------|---|------------|----------|-----|-------------------------|---------|------------|------------|-------------|---------|--------------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 15019 Project Owner: COG Project Name: LFC 31 Fed 2 Project Location: Rural Lea Sampler Name: Raul Gonzales | | | | BILL TO P.O. #: Company: COG Attn: Jacqui Harris 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 | | | | | | | | | | | | | | | | | |
| H220203 | 1 F1 E 13' | C | 1 | | | ✓ | | | | ✓ | | | 1/18/22 | | X | X | X | | | | | | | | | | | | | | |
| | 2 F2 C 3' | C | 1 | | | ✓ | | | | ✓ | | | 1/18/22 | | | | | | | | | | | | | | | | | | |
| K20 1/18/22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | |
|--|--|--|
| Relinquished By: Raul Gonzales Relinquished By: [Signature] Delivered By: (Circle One) 3.3" C-0.5" 2-8" #113 Sampler - UPS - Bus - Other: | Date: 1/18/22 Time: 1:50pm Date: 1-18-22 Time: 1:40 Received By: [Signature] Sample Condition 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 Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS: Rush! Please email copy of COC and results to pm@etechenv.com. |
|--|--|--|

Appendix D


Photographic Log


Photographic Log

| | |
|---|--|
| Photo Number: 1 |  |
| Photo Direction: East | |
| Photo Description: | |
| View of the affected area in the lined containment. | |


| | |
|---|--|
| Photo Number: 2 |  |
| Photo Direction: East | |
| Photo Description: | |
| View of the affected area in the lined containment. | |


Photographic Log

| | |
|--|---|
| Photo Number: 3 | <div>LPC 31-2 +32.706166,-103.804177 Nov 3, 2021 at 1:28:52 PM</div>  |
| Photo Direction: Southeast | |
| Photo Description: View of the affected area in the lined containment. | |


| | |
|--|---|
| Photo Number: 4 | <div>LPC 31-2 +32.706166,-103.804177 Nov 3, 2021 at 1:28:56 PM</div>  |
| Photo Direction: North | |
| Photo Description: View of the affected area in the lined containment. | |

Photographic Log

| | |
|---|--|
| Photo Number: 5 |  |
| Photo Direction: East-Northeast | |
| Photo Description: View of the affected area in the lined containment. | |


| | |
|---|--|
| Photo Number: 6 |  |
| Photo Direction: South-Southeast | |
| Photo Description: View of the affected area in the lined containment. | |


Photographic Log

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


| | |
|---|--|
| Photo Number: 8 |  |
| Photo Direction: South-Southeast | |
| Photo Description: | |
| View of the affected area in the lined containment. | |

Photographic Log

| | |
|---|--|
| Photo Number: 9 |  |
| Photo Direction: Northeast | |
| Photo Description: View of the affected area in the unlined containment. | |


| | |
|---|--|
| Photo Number: 10 |  |
| Photo Direction: Northeast | |
| Photo Description: View of the affected area in the unlined containment. | |

Photographic Log

| | |
|--|--|
| Photo Number: 11 |  |
| Photo Direction: Northeast | |
| Photo Description: View of the affected area in the unlined containment. | |

| | |
|--|--|
| Photo Number: 12 |  |
| Photo Direction: North-Northeast | |
| Photo Description: View of the affected area in the unlined containment. | |


Photographic Log

| | |
|--|---|
| Photo Number: 13 |  <p>Jan 14, 2022 at 9:14:29 AM Hobbs NM 88240 United States</p> |
| Photo Direction: North-Northwest | |
| Photo Description: View of the excavated area. | |

| | |
|--|---|
| Photo Number: 14 |  <p>Jan 14, 2022 at 9:15:37 AM Hobbs NM 88240 United States</p> |
| Photo Direction: South-Southeast | |
| Photo Description: View of the excavated area. | |

Photographic Log

| | |
|--|---|
| Photo Number: 15 |  <p>Jan 14, 2022 at 9:16:00 AM Hobbs NM 88240 United States</p> |
| Photo Direction: South-Southeast | |
| Photo Description: View of the excavated area. | |

| | |
|--|---|
| Photo Number: 16 |  <p>Jan 20, 2022 at 4:36:54 PM Hobbs NM 88240 United States</p> |
| Photo Direction: Southeast | |
| Photo Description: View of the remediated area following backfill and regrading. | |

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 89285

CONDITIONS

| | |
|---|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 89285 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-------------------|----------------|
| chensley | Closure approved. | 4/5/2022 |