

| | |
|----------------|----------------|
| Incident ID | nAPP2122432744 |
| 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>35</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|----------------|
| Incident ID | nAPP2122432744 |
| District RP | |
| Facility ID | |
| Application ID | |

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 EngineerSignature:  Date: 2.4.22email: Jacqui.Harris@conocophillips.com Telephone: (575) 745-1807**OCD Only**

Received by: _____ Date: _____

| | |
|----------------|----------------|
| Incident ID | nAPP2122432744 |
| District RP | |
| Facility ID | |
| Application ID | |

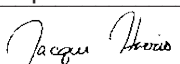
Closure

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: 2.4.22
email: Jacqui.Harris@conocophillips.com Telephone: (575) 745-1807

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 02/16/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

Remediation Summary & Soil Closure Request

COG Operating, LLC

Mossy Federal 001H

Eddy County, New Mexico

Unit Letter "A", Section 12, Township 20 South, Range 29 East

Latitude 32.59244 North, Longitude 104.02173 West

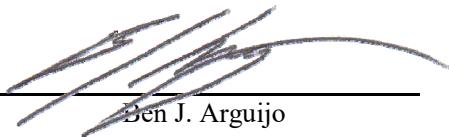
NMOCD Reference No. nAPP2122432744

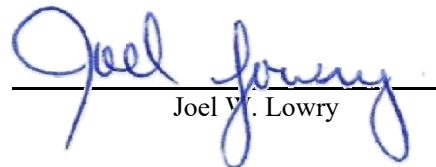
Prepared By:

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

TABLE OF CONTENTS

| | <i>Section</i> |
|---|----------------|
| PROJECT INFORMATION..... | 1.0 |
| SITE CHARACTERIZATION..... | 2.0 |
| CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE..... | 3.0 |
| INITIAL SITE ASSESSMENT..... | 4.0 |
| REMEDIATION ACTIVITIES SUMMARY..... | 5.0 |
| RESTORATION, RECLAMATION & RE-VEGETATION PLAN..... | 6.0 |
| SOIL CLOSURE REQUEST..... | 7.0 |
| LIMITATIONS..... | 8.0 |
| DISTRIBUTION..... | 9.0 |

FIGURES

Figure 1 - Topographic Map
Figure 2 - Aerial Proximity Map
Figure 3 - Site & Sample Location Map

TABLES

Table 1 - Concentrations of BTEX, TPH & Chloride in Soil

APPENDICES

Appendix A - Depth to Groundwater Information
Appendix B - Laboratory Analytical Reports
Appendix C - Photographic Log

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of COG Operating, LLC (COG), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Mossy Federal 001H. Details of the release are summarized below:

Location of Release Source

Latitude: 32.592440 Longitude: -104.02173

Provided GPS are in WGS84 format.

| | |
|------------------------------------|-------------------------------------|
| Site Name: Mossy Federal 001H | Site Type: Tank Battery |
| Date Release Discovered: 7/30/2021 | API # (if applicable): 30-015-42735 |

| | | | | |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
| "A" | 12 | 20S | 29E | Eddy |

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

Nature and Volume of Release

| | | |
|---|---|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 0.25 | Volume Recovered (bbls) 0 |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 0.25 | Volume Recovered (bbls) 0 |
| | Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) Pipeline Liquids | Volume/Weight Released | Volume/Weight Recovered |

Cause of Release:

The release was caused by an inlet separator that overfilled, closing the inlet valve, and causing the line to pressure up and leak fluid from the hammer union. Also, filling the flare line with fluid, causing it to push out the flare. The release resulted in a flare fire on the pad. No fluid was recovered due to the fire burning off any standing fluid.

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 Mossy Federal 001H 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? | 35' | |
| Did the release impact groundwater or surface water? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production or storage site? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Mossy Federal 001H release site are as follows:

| Probable Depth to Groundwater | Constituent | Laboratory Analytical Method | Closure Criteria*† | Reclamation Standard*‡ |
|-------------------------------|--|-----------------------------------|--------------------|------------------------|
| 35' | Chloride (Cl-) | EPA 300.0 or SM4500 Cl B | 600 | 600 |
| | Total Petroleum Hydrocarbons (TPH) | EPA SW-846 Method 8015M Ext | 100 | 100 |
| | Gas Range Organics + Diesel Range Organics (GRO + DRO) | EPA SW-846 Method 8015M | N/A | N/A |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 | 10 |
| | Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) | EPA SW-846 Methods 8021b or 8260b | 50 | 50 |

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 INITIAL SITE ASSESSMENT

On September 7, 2021, Etech conducted an initial site assessment. During the site assessment, three (3) hand-augered soil bores (SP 1 V, SP 2 V, and SP 3 V) were advanced within the inferred margins of the affected area in 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 14 delineation soil samples (NH @ Surf., NH @ 1', EH @ Surf., EH @ 1', SH @ Surf., SH @ 1', WH @ Surf., WH @ 1', SP 1 V @ Surf., SP 1 V @ 1', SP 2 V @ Surf., SP 2 V @ 2', SP 3 V @ Surf., and SP 3 V @ 2') were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal and vertical extent of impacted soil was adequately defined, and soil was not affected above the NMOCD Closure Criteria beyond two (2) feet below ground surface (bgs) in the areas characterized by sample points SP 2 V and SP 3 V.

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

5.0 REMEDIATION ACTIVITIES SUMMARY

On January 21, 2022, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a 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.

On January 24, 2022, Etech collected 12 confirmation soil samples (EW 1, EW 2, SW 1, SW 2, WW 2, F 1 @ 1', F 3 @ 1', F 4 @ 1', F 7 @ 1', F 8 @ 1', F 9 @ 1', and F 11 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to a certified commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX concentrations were below both the NMOCD Closure Criterion and the laboratory method detection limit (MDL) in each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL in soil samples EW 1, SW 1, F 3 @ 1', and F 7 @ 1' to 6,790 mg/kg in soil sample F 11 @ 1'. TPH concentrations in soil samples EW 2, WW 2, F 8 @ 1', F 9 @ 1', and F 11 @ 1' exceeded the NMOCD Closure Criterion. Chloride concentrations ranged from 48.0 mg/kg in soil samples EW 1 and EW 2 to 720 mg/kg in soil sample SW 2, which exceeded the NMOCD Closure Criterion.

On January 25, 2022, Etech collected 13 confirmation soil samples (NW 1, EW 3, WW 1, WW 3, F 2 @ 1', F 5 @ 1', F 6 @ 1', F 10 @ 1', and F 12 @ 1' through F 16 @ 1') 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 and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX concentrations were also below the laboratory MDL. TPH concentrations ranged from less than the laboratory MDL in soil samples F 2 @ 1' and F 16 @ 1' to 625 mg/kg in soil sample WW 1, which exceeded the NMOCD Closure Criterion. Chloride concentrations ranged from 32.0 mg/kg in soil samples F 2 @ 1' and F 16 @ 1' to 160 mg/kg in soil sample F 5 @ 1'.

On January 27, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples EW 2, SW 2, WW1, WW 2, F 8 @ 1', F 9 @ 1', and F 11 @ 1'. Etech collected seven (7) confirmation soil samples (EW 2B, SW 2B, WW 1B, WW 2B, F 8 @ 2', F 9 @ 2', and F 11 @ 2') from the sidewalls and floor of the newly excavated

areas. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX concentrations were also below the laboratory MDL. TPH concentrations ranged from less than the laboratory MDL in soil samples SW 2B, WW 1B, WW 2B, F 8 @ 2', and F 11 @ 2' to 141 mg/kg in soil sample F 9 @ 2', which exceeded the NMOCD Closure Criterion. Chloride concentrations ranged from 32.0 mg/kg in soil samples WW 1B and F 11 @ 2' to 176 mg/kg in soil sample EW 2B.

On January 28, 2022, based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample F 9 @ 2'. Etech collected one (1) confirmation soil samples (F 9 @ 3') from the floor of the newly excavated area. The soil sample was submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated the TPH concentration was below both the NMOCD Closure Criterion and the laboratory MDL.

The final dimensions of the excavated area were approximately 88 feet in length, 12 to 78 feet in width, and one (1) to three (3) feet in depth. During the course of remediation activities, approximately 180 cubic yards of impacted soil were transported to an NMOCD-permitted surface waste facility for disposal. Approximately 160 cubic yards of locally sourced, non-impacted material were imported 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. Laboratory analytical reports are provided in Appendix B. General photographs of the release site are provided in Appendix C.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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

7.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends COG provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Mossy Federal 001H 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

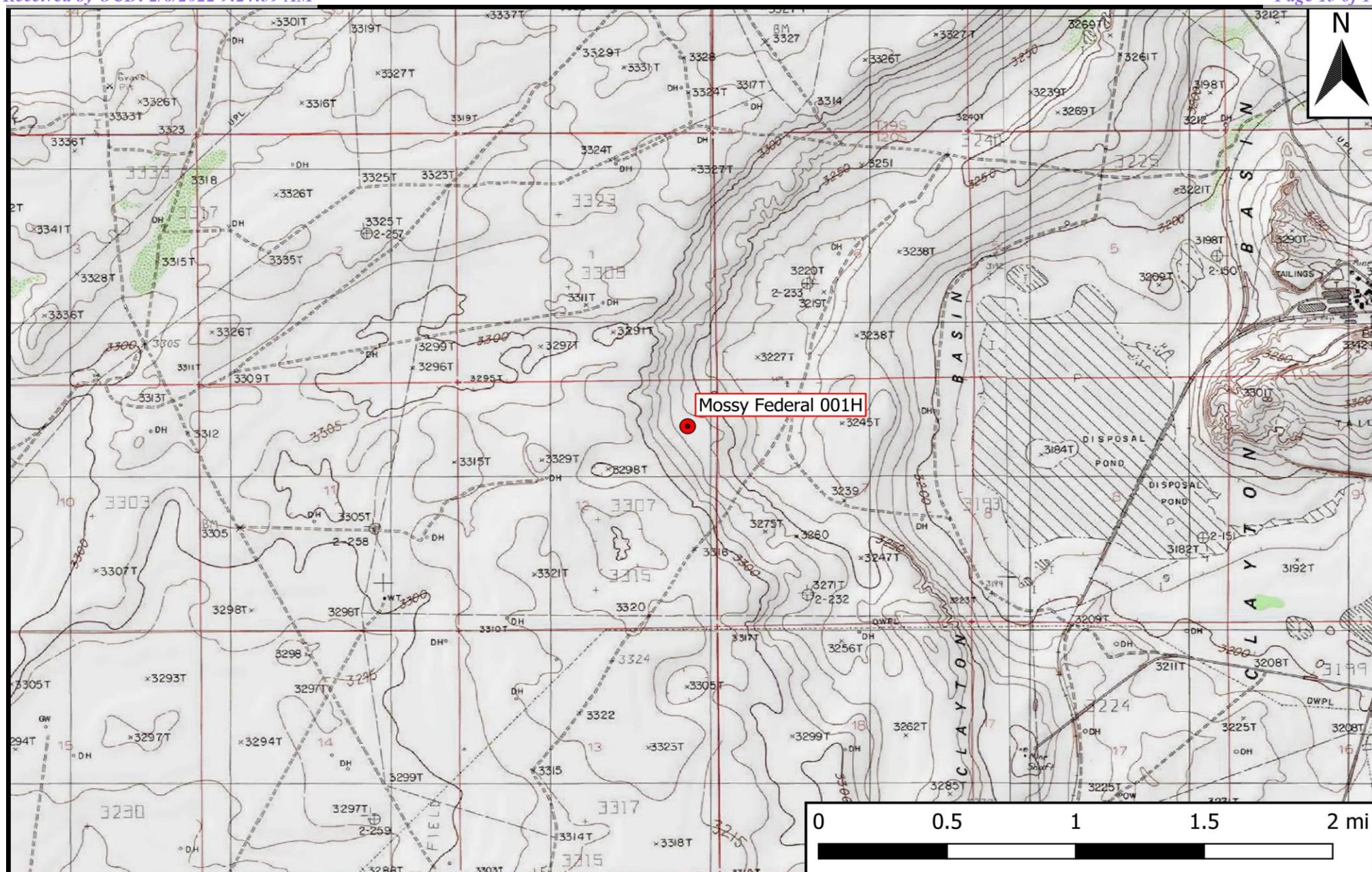
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

United States Department of the Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
 COG Operating, LLC
 Mossy Federal 001H
 GPS: 32.59244, -104.02173
 Eddy County

eTECH
 Environmental & Safety Solutions, Inc.

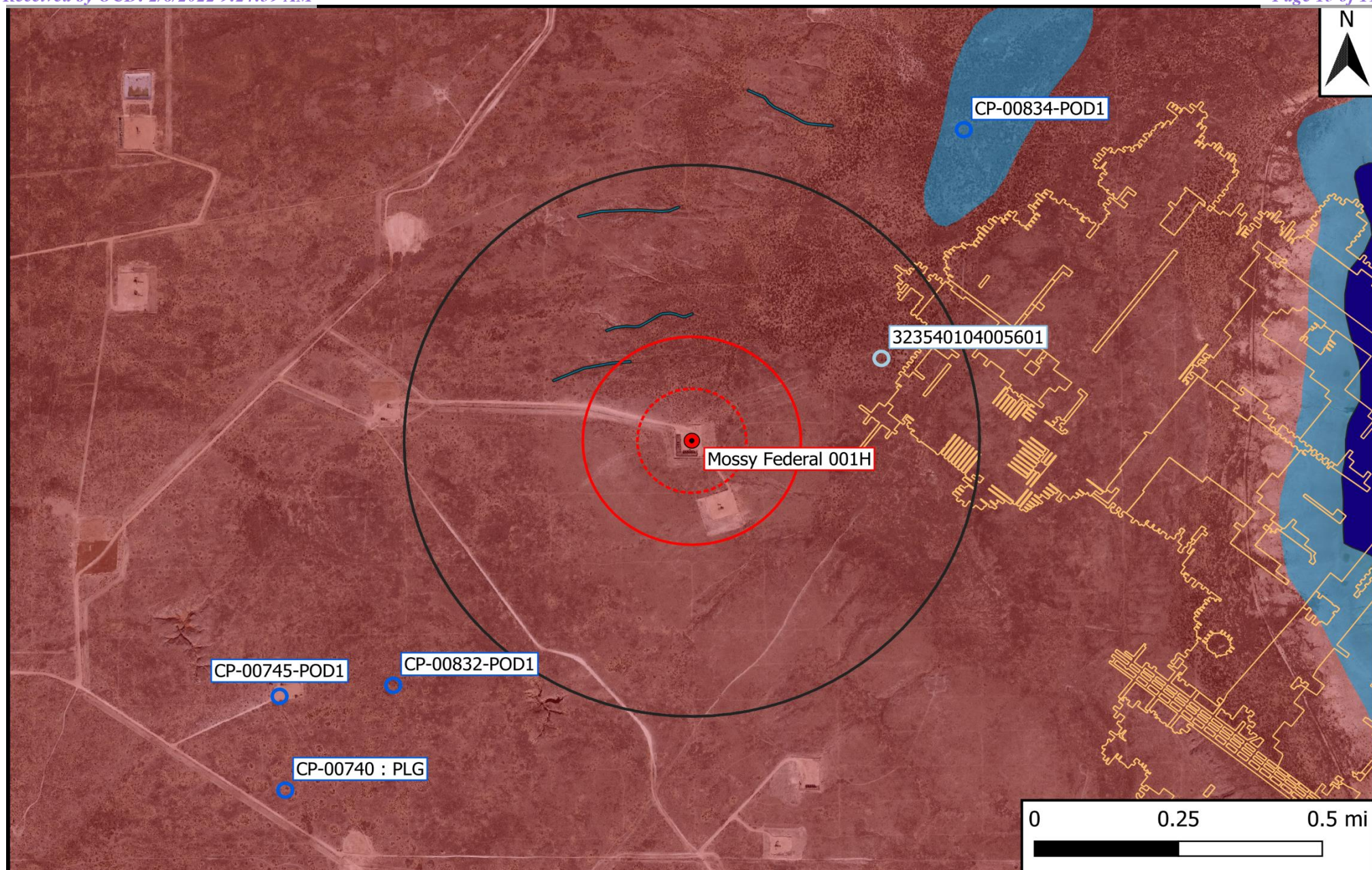
Drafted: mag

Checked: jwl

Date: 8/27/21

Figure 2

Aerial Proximity Map



Legend

| | | |
|------------------------------|----------------------------|-------------------|
| ● Site Location | 1% Annual Flood Chance | ⋯ 500-Ft Radius |
| ● Well - NMDS | 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 | Riverline | |

Figure 2
 Aerial Proximity Map
 COG Operating, LLC
 Mossy Federal 001H
 GPS: 32.59244, -104.02173
 Eddy County

eTECH
 Environmental & Safety Solutions, Inc.

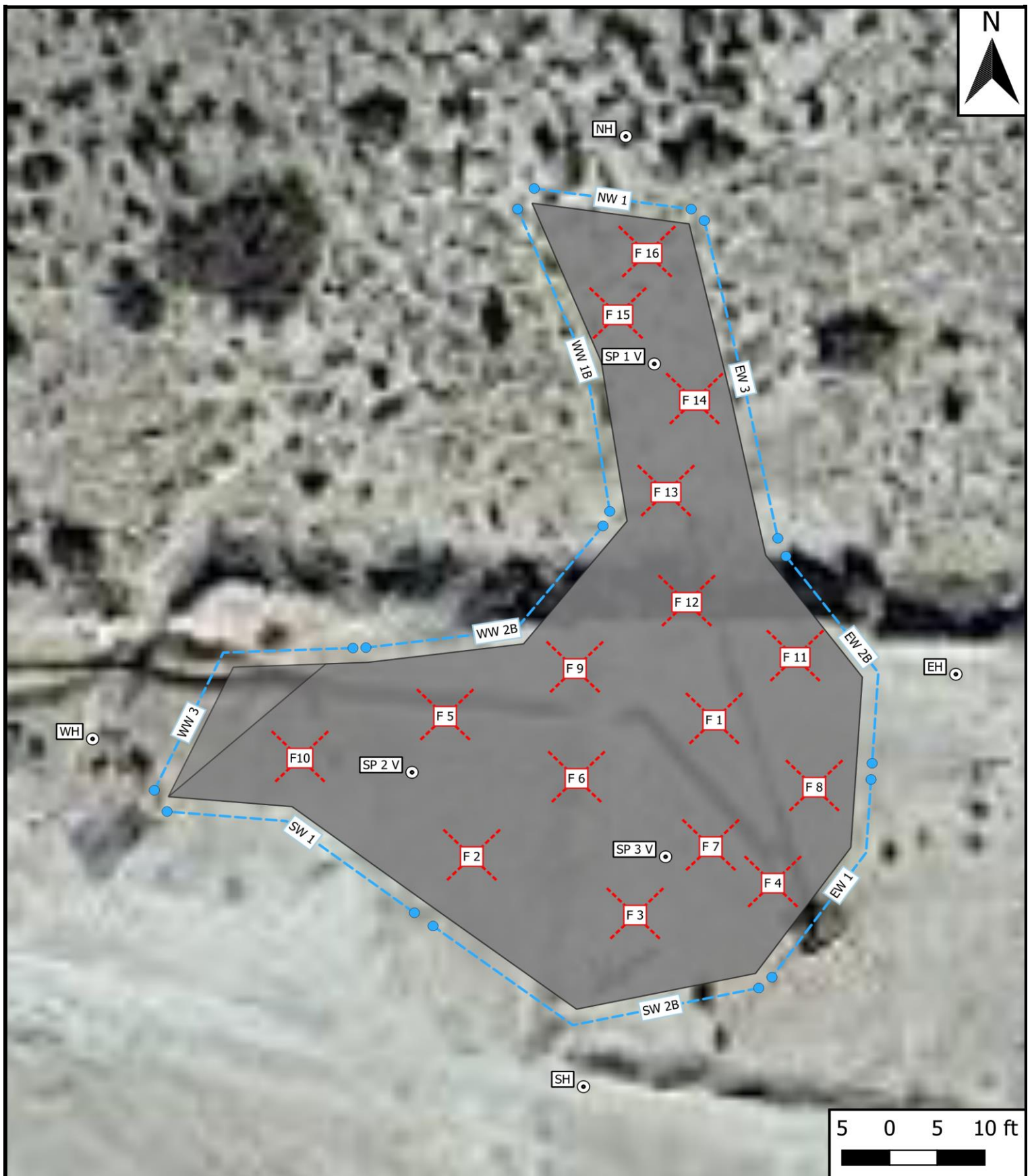
Drafted: bja

Checked: jwl

Date: 1/28/22

Figure 3

Site & Sample Location Map



Legend

- Excavated Area
- Auger Hole
- Composite Floor Sample
- Composite Wall Sample

Figure 3

Site & Sample Location Map
 COG Operating, LLC
 Mossy Federal 001H
 GPS: 32.59244, -104.02173
 Eddy County

eTECH
 Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 2/1/22

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
COG Operating, LLC
Mossy Federal 001H
NMOCD Ref. #: nAPP2122432744

| NMOCD Closure Criteria | | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| NH @ Surf. | 9/7/2021 | 0 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NH @ 1' | 9/7/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| EH @ Surf. | 9/7/2021 | 0 | Excavated | <0.050 | <0.300 | <10.0 | 84.4 | 84.4 | 51.4 | 136 | 32.0 |
| EH @ 1' | 9/7/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | <16.0 |
| SH @ Surf. | 9/7/2021 | 0 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SH @ 1' | 9/7/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| WH @ Surf. | 9/7/2021 | 0 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| WH @ 1' | 9/7/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| SP 1 V @ Surf. | 9/7/2021 | 0 | Excavated | <0.050 | <0.300 | <10.0 | 656 | 656 | 407 | 1,060 | 32.0 |
| SP 1 V @ 1' | 9/7/2021 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 52.5 | 52.5 | 18.5 | 71.0 | 48.0 |
| SP 2 V @ Surf. | 9/7/2021 | 0 | Excavated | <0.050 | <0.300 | <10.0 | 2,380 | 2,380 | 1,300 | 3,680 | 192 |
| SP 2 V @ 2' | 9/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| SP 3 V @ Surf. | 9/7/2021 | 0 | Excavated | <0.050 | <0.300 | <10.0 | 928 | 928 | 344 | 1,270 | 224 |
| SP 3 V @ 2' | 9/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | 22.5 | 22.5 | 20.0 | 42.5 | 144 |
| NW 1 | 1/25/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | 55.2 | 55.2 | <10.0 | 55.2 | 64.0 |
| EW 1 | 1/24/2022 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| EW 2 | 1/24/2022 | 0-2 | Excavated | <0.050 | <0.300 | <10.0 | 465 | 465 | 94.3 | 559 | 48.0 |
| EW 2B | 1/27/2022 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | 67.3 | 67.3 | 13.8 | 81.1 | 176 |
| EW 3 | 1/25/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | 60.3 | 60.3 | <10.0 | 60.3 | 80.0 |
| SW 1 | 1/24/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| SW 2 | 1/24/2022 | 0-1 | Excavated | <0.050 | <0.300 | <10.0 | 27.8 | 27.8 | <10.0 | 27.8 | 720 |
| SW 2B | 1/27/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| WW 1 | 1/25/2022 | 0-1 | Excavated | <0.050 | <0.300 | <10.0 | 517 | 517 | 108 | 625 | 48.0 |
| WW 1B | 1/27/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| WW 2 | 1/24/2022 | 0-3 | Excavated | <0.050 | <0.300 | <10.0 | 635 | 635 | 182 | 817 | 64.0 |
| WW 2B | 1/27/2022 | 0-3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| WW 3 | 1/25/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | 34.2 | 34.2 | <10.0 | 34.2 | 128 |
| F 1 @ 1' | 1/24/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 42.3 | 42.3 | <10.0 | 42.3 | 64.0 |
| F 2 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| F 3 @ 1' | 1/24/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| F 4 @ 1' | 1/24/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 12.0 | 12.0 | <10.0 | 12.0 | 304 |
| F 5 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 31.0 | 31.0 | 19.6 | 50.6 | 160 |
| F 6 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 29.3 | 29.3 | <10.0 | 29.3 | 64.0 |
| F 7 @ 1' | 1/24/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| F 8 @ 1' | 1/24/2022 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 585 | 585 | 32.0 | 617 | 64.0 |
| F 8 @ 2' | 1/27/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| F 9 @ 1' | 1/24/2022 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 4,500 | 4,500 | 810 | 5,310 | 128 |
| F 9 @ 2' | 1/27/2022 | 2 | Excavated | <0.050 | <0.300 | <10.0 | 115 | 115 | 26.4 | 141 | 112 |
| F 9 @ 3' | 1/28/2022 | 3 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| F 10 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 26.7 | 26.7 | <10.0 | 26.7 | 64.0 |
| F 11 @ 1' | 1/24/2022 | 1 | Excavated | <0.050 | <0.300 | <10.0 | 5,790 | 5,790 | 1,000 | 6,790 | 96.0 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

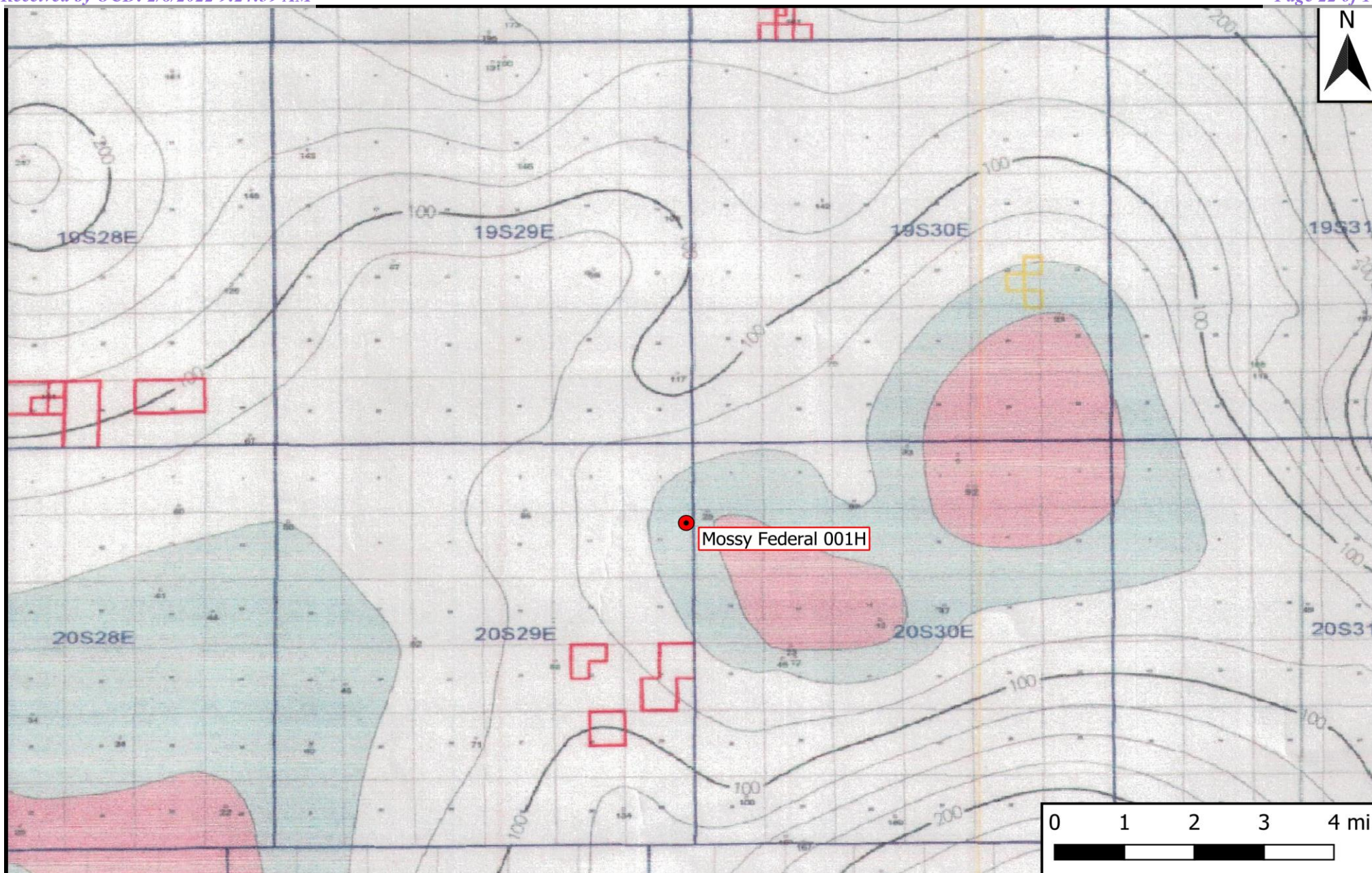
| Table 1 Concentrations of BTEX, TPH & Chloride in Soil COG Operating, LLC Mossy Federal 001H NMOCD Ref. #: nAPP2122432744 | | | | | | | | | | | |
|--|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria | | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| NMOCD Reclamation Standard | | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| F 11 @ 2' | 1/27/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| F 12 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 68.2 | 68.2 | 13.4 | 81.6 | 96.0 |
| F 13 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 29.2 | 29.2 | <10.0 | 29.2 | 48.0 |
| F 14 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 26.9 | 26.9 | <10.0 | 26.9 | 80.0 |
| F 15 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | 43.0 | 43.0 | 11.5 | 54.5 | 64.0 |
| F 16 @ 1' | 1/25/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |

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

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

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 COG Operating, LLC
 Mossy Federal 001H
 GPS: 32.59244, -104.02173
 Eddy County



Drafted: bja

Checked: jwl

Date: 1/31/22



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth | Well | Depth | Water Column |
|-------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|-------|------|-------|--------------|
| CP 00832 POD1 | | CP | LE | 2 | 3 | 12 | 20S | 29E | | 590971 | 3605815* | 1098 | | 200 | | |
| CP 00834 POD1 | | CP | LE | 2 | 3 | 06 | 20S | 30E | | 592566 | 3607436* | 1183 | | 120 | | |
| CP 00745 POD1 | | CP | ED | 4 | 1 | 3 | 12 | 20S | 29E | 590653 | 3605782 | 1372 | | 232 | | |
| CP 00740 | | CP | ED | 2 | 3 | 3 | 12 | 20S | 29E | 590669 | 3605509* | 1526 | | 150 | | |

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 591805.63

Northing (Y): 3606528.47

Radius: 1610
(1 mile)

*UTM location was derived from PLSS - see Help

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


2/1/22 11:35 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|----------------------|---------------|--|-----|----|-----|-------------------------|--------|-----------------------|---|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) | | | | | | (NAD83 UTM in meters) | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| | CP 00832 POD1 | 2 | 3 | 12 | 20S | 29E | 590971 | 3605815* |  |
| <hr/> | | | | | | | | | |
| Driller License: 122 | | Driller Company: | | | | UNKNOWN | | | |
| Driller Name: | | | | | | | | | |
| Drill Start Date: | | Drill Finish Date: | | | | Plug Date: | | | |
| Log File Date: | | PCW Rcv Date: | | | | Source: Shallow | | | |
| Pump Type: | | Pipe Discharge Size: | | | | Estimated Yield: 50 GPM | | | |
| Casing Size: 7.00 | | Depth Well: 200 feet | | | | Depth Water: | | | |

*UTM location was derived from PLSS - see Help

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

2/1/22 11:37 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | |
|-----------------------------|-------------------|------------------------------------|------------|-------------------------|------------|-----------------------|-----------------|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | (NAD83 UTM in meters) | |
| | | (quarters are smallest to largest) | | | | X | Y |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng |
| CP 00834 | POD1 | 2 | 3 | 06 | 20S | 30E | 592566 3607436* |
| Driller License: 122 | | Driller Company: UNKNOWN | | | | | |
| Driller Name: | | | | | | | |
| Drill Start Date: | | Drill Finish Date: | | Plug Date: | | | |
| Log File Date: | | PCW Rcv Date: | | Source: | | Shallow | |
| Pump Type: | | Pipe Discharge Size: | | Estimated Yield: | | 20 GPM | |
| Casing Size: | 7.00 | Depth Well: | | 120 feet | | Depth Water: | |

*UTM location was derived from PLSS - see Help

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

2/1/22 11:38 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

| | | | | | | | |
|-----------------|-------------------|-------------------|------------|------------|------------|----------|----------|
| Well Tag | POD Number | Q64 Q16 Q4 | Sec | Tws | Rng | X | Y |
| CP 00745 | POD1 | 4 1 3 | 12 | 20S | 29E | 590653 | 3605782 |



Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

Driller Name: GLENN, CLARK A."CORKY" (LD)

| | | |
|-------------------------------------|--------------------------------------|---------------------------------|
| Drill Start Date: 12/09/1989 | Drill Finish Date: 12/09/1989 | Plug Date: |
| Log File Date: 12/19/1989 | PCW Rev Date: | Source: Shallow |
| Pump Type: | Pipe Discharge Size: | Estimated Yield: 150 GPM |
| Casing Size: 6.63 | Depth Well: 232 feet | Depth Water: |

| | | | |
|---------------------------------------|------------|---------------|--------------------------|
| Water Bearing Stratifications: | Top | Bottom | Description |
| | 179 | 219 | Limestone/Dolomite/Chalk |

| | | |
|-----------------------------|------------|---------------|
| Casing Perforations: | Top | Bottom |
| | 172 | 232 |

| | |
|--------------------------------------|-------------------------------------|
| Meter Number: 8512 | Meter Make: MASTER |
| Meter Serial Number: 22523455 | Meter Multiplier: 100.0000 |
| Number of Dials: 6 | Meter Type: Diversion |
| Unit of Measure: Gallons | Return Flow Percent: |
| Usage Multiplier: | Reading Frequency: Quarterly |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|-------------------------|-------------------|
| 09/23/2003 | 2003 | 43554 | A | jw | | 0 |
| 11/26/2003 | 2003 | 53304 | A | jw | | 2.992 |
| 01/16/2004 | 2004 | 63504 | A | jw | | 3.130 |
| 03/17/2004 | 2004 | 73274 | A | jw | | 2.998 |
| 12/13/2004 | 2004 | 24507 | A | jw | | 0 |
| 02/14/2005 | 2005 | 24507 | A | RPT | | 0 |
| 04/01/2014 | 2014 | 259422 | A | RPT | | 72.093 |
| 07/01/2014 | 2014 | 352320 | A | RPT | | 28.509 |
| 10/01/2014 | 2014 | 397139 | A | RPT | | 13.754 |
| 12/31/2014 | 2014 | 475726 | A | RPT | | 24.117 |
| 01/01/2015 | 2015 | 475726 | A | RPT | | 0 |
| 02/01/2015 | 2015 | 508908 | A | RPT | | 10.183 |
| 03/02/2015 | 2015 | 531256 | A | RPT | | 6.858 |
| 04/01/2015 | 2015 | 531256 | A | RPT | | 0 |
| 04/30/2015 | 2015 | 551252 | A | RPT | | 6.137 |
| 05/20/2015 | 2015 | 559787 | A | RPT | | 2.619 |
| 05/20/2015 | 2015 | 0 | A | ap | | 0 |
| 05/31/2015 | 2015 | 18300 | A | RPT | changeout meter 5-20-15 | 5.616 |
| 07/01/2015 | 2015 | 953891 | A | RPT | | 287.122 |
| 08/01/2015 | 2015 | 214780 | R | RPT | Meter Rollover | 80.064 |

| | | | | | |
|------------|------|--------|---|----------------------------|--------|
| 08/31/2015 | 2015 | 394667 | A | RPT | 55.205 |
| 10/01/2015 | 2015 | 424720 | A | RPT | 9.223 |
| 01/01/2016 | 2016 | 691212 | A | RPT | 81.783 |
| 02/01/2016 | 2016 | 705826 | A | RPT | 4.485 |
| 02/01/2016 | 2016 | 0 | A | ap | 0 |
| 03/02/2016 | 2016 | 246634 | A | RPT Meter changeout 2-1-16 | 75.689 |
| 04/01/2016 | 2016 | 247766 | A | RPT | 0.347 |
| 05/01/2016 | 2016 | 264860 | A | RPT | 5.246 |
| 06/01/2016 | 2016 | 268161 | A | RPT | 1.013 |
| 07/01/2016 | 2016 | 441400 | A | RPT | 53.165 |

x

| **YTD Meter Amounts: | Year | Amount |
|----------------------|------|---------|
| | 2003 | 2.992 |
| | 2004 | 6.128 |
| | 2005 | 0 |
| | 2014 | 138.473 |
| | 2015 | 463.027 |
| | 2016 | 221.728 |

x

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.


2/1/22 11:38 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

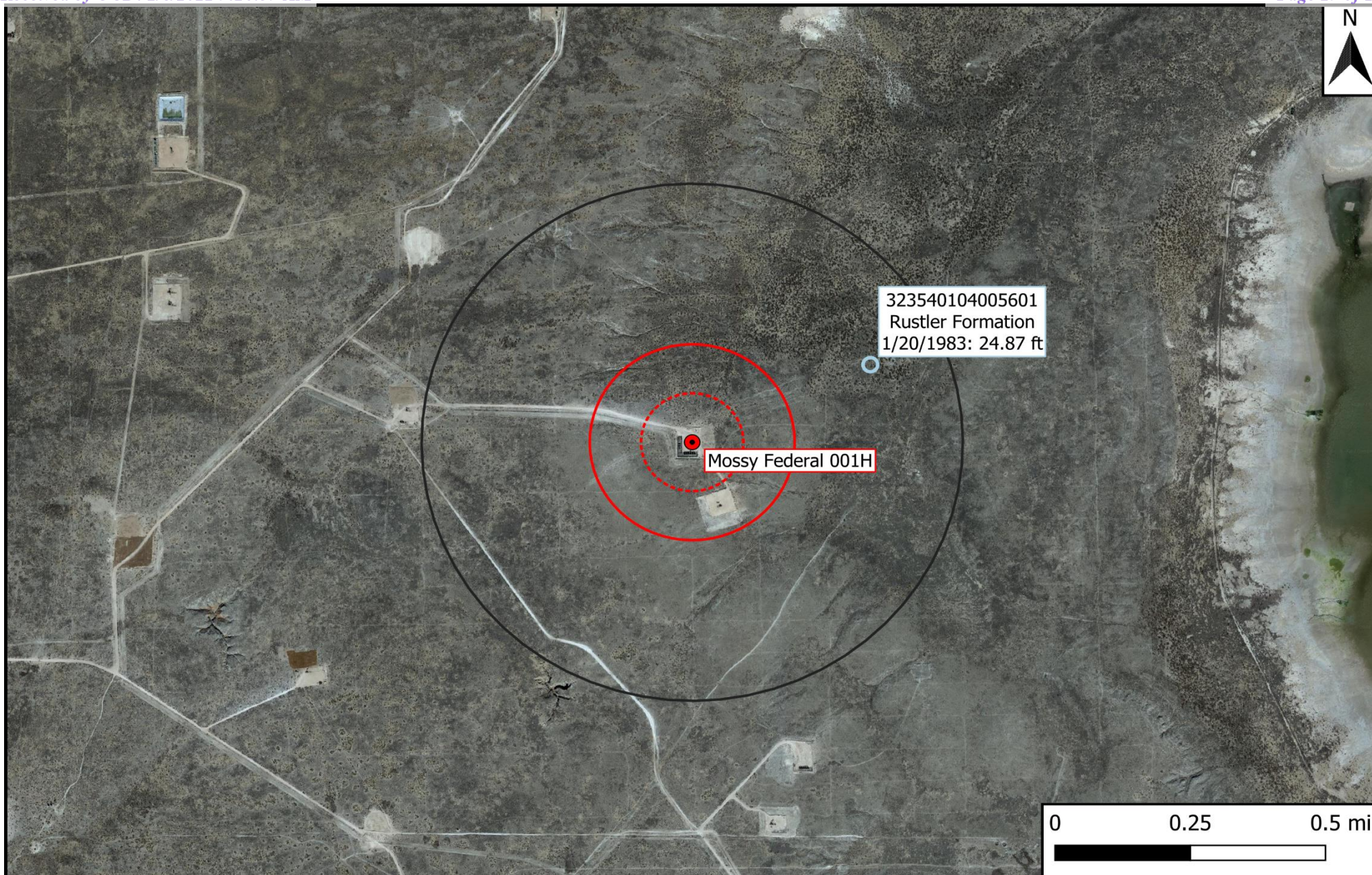
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) | | | | | | (NAD83 UTM in meters) | |
|--------------------------|-----------------|--|-----|----|-----|-------------------------|-----|-----------------------|--|
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| | CP 00740 | 2 | 3 | 3 | 12 | 20S | 29E | 590669 | 3605509*  |
| <hr/> | | | | | | | | | |
| Driller License: | 46 | Driller Company: | | | | ABBOTT BROTHERS COMPANY | | | |
| Driller Name: | ABBOTT, MURRELL | | | | | | | | |
| Drill Start Date: | 02/14/1989 | Drill Finish Date: | | | | 02/19/1989 | | Plug Date: | 02/27/1989 |
| Log File Date: | 03/02/1989 | PCW Rcv Date: | | | | Source: | | | |
| Pump Type: | | Pipe Discharge Size: | | | | Estimated Yield: | | | |
| Casing Size: | | Depth Well: | | | | 150 feet | | Depth Water: | |

*UTM location was derived from PLSS - see Help

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

2/1/22 11:39 AM

POINT OF DIVERSION SUMMARY



Legend

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

Figure 5

USGS Well Proximity Map
COG Operating, LLC
Mossy Federal 001H
GPS: 32.59244, -104.02173
Eddy County

eTECH
Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 1/31/22

 An official website of the United States government [Here's how you know](#)

MENU



- Beta release
- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time data from over 13,500 stations nationwide.



20S.30E.07.11221

IMPORTANT [Classic Inventory Page](#) 

Monitoring location 323540104005601 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1965 are available online.

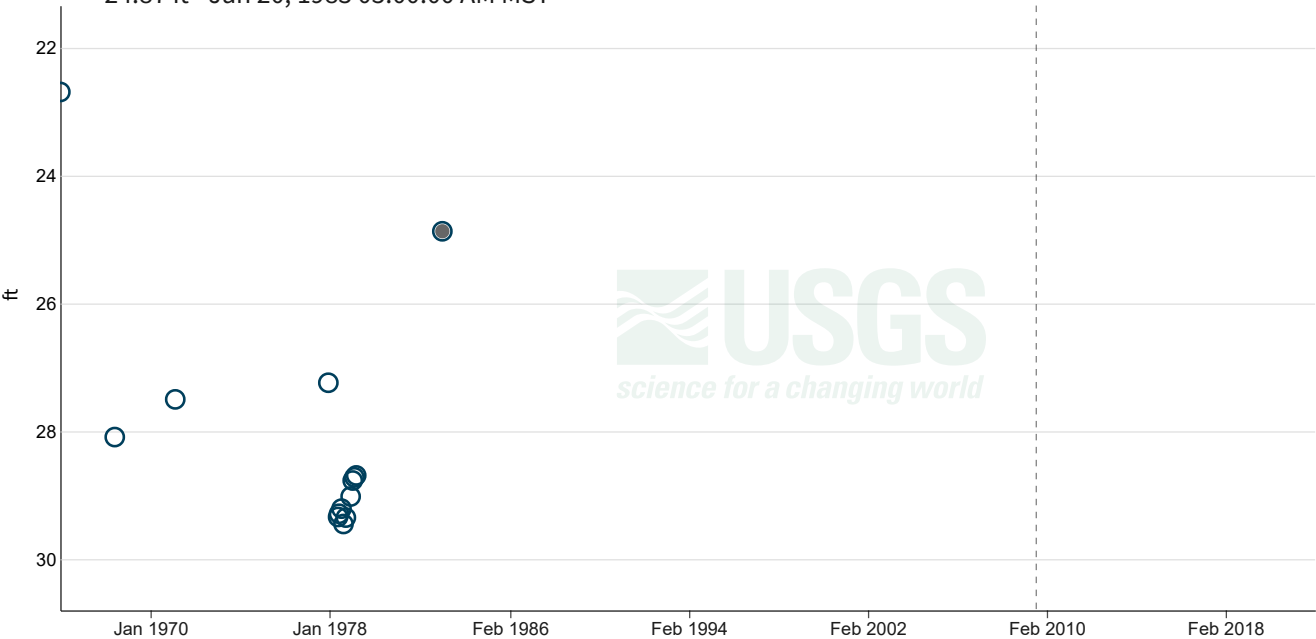
☐ 1 year ☐ 10 years ☒ Period of record

Change time span

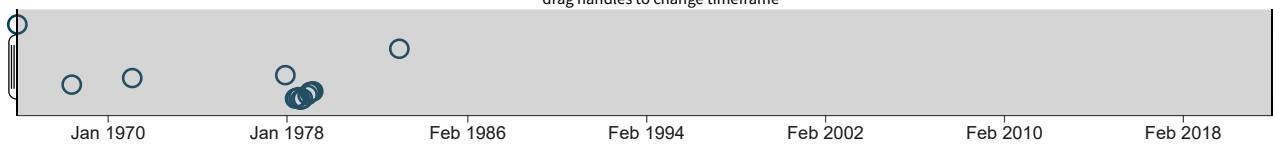
Retrieve data

Depth to water level, ft below land surface

24.87 ft - Jan 20, 1983 05:00:00 AM MST



drag handles to change timeframe



Field visit: ☒ Approved

☐ Compare to last year

☐ Display median

IMPORTANT Data may be provisional - [lear](#)

Questions or Comments

Select Data to Graph

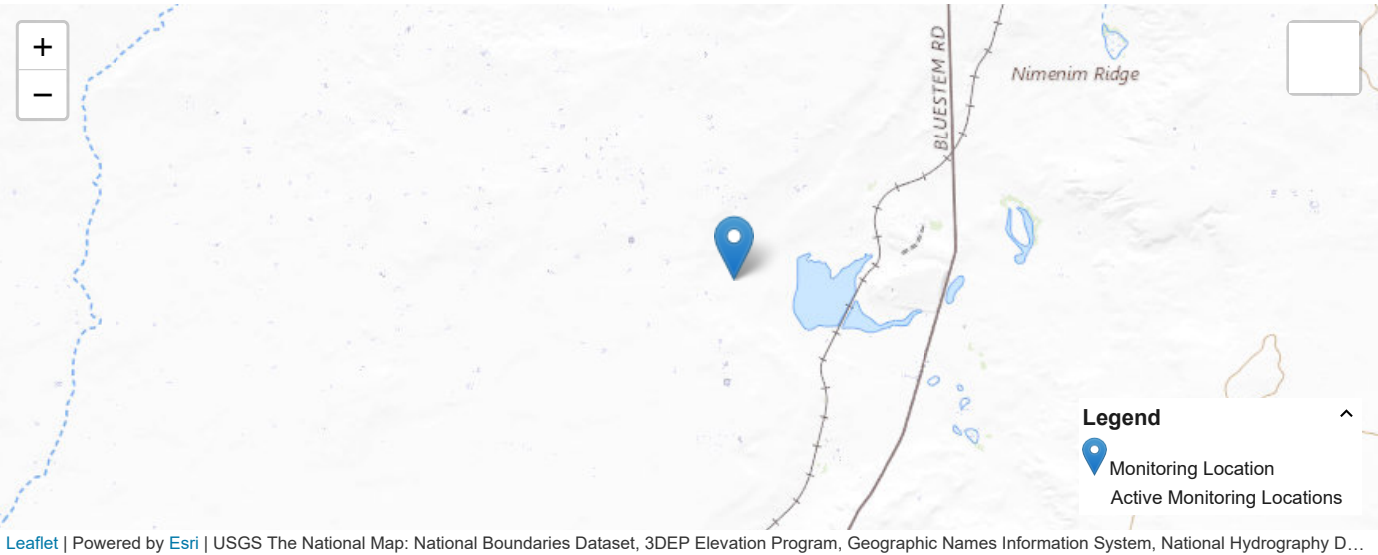
| | |
|--|--------------------------|
| <input checked="" type="radio"/> Depth to water level, feet below land surface | 1965-12-20 to 1983-01-20 |
| <input type="radio"/> Groundwater level above NAVD 1988, feet | 1965-12-20 to 1983-01-20 |
| <input type="radio"/> Groundwater level above NGVD 1929, feet | 1965-12-20 to 1983-01-20 |

Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



[About the Network-Linked Data Index \(NLDI\).](#)

Affiliated Networks BETA

[NWIS Monitoring Locations](#)

Summary of All Available Data

Location Metadata

Appendix B

Laboratory Analytical Reports

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

September 13, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOSSY FEDERAL 001H

Enclosed are the results of analyses for samples received by the laboratory on 09/07/21 16:58.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

| | |
|------------------|---|
| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG) |
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5) |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|-----------------|-----------------|
| NH @ SURFACE | H212443-11 | Soil | 07-Sep-21 10:30 | 07-Sep-21 16:58 |
| NH @ 1' | H212443-12 | Soil | 07-Sep-21 10:30 | 07-Sep-21 16:58 |
| EH @ SURFACE | H212443-13 | Soil | 07-Sep-21 10:30 | 07-Sep-21 16:58 |
| EH @ 1' | H212443-14 | Soil | 07-Sep-21 11:00 | 07-Sep-21 16:58 |
| SH @ SURFACE | H212443-15 | Soil | 07-Sep-21 11:00 | 07-Sep-21 16:58 |
| SH @ 1' | H212443-16 | Soil | 07-Sep-21 11:00 | 07-Sep-21 16:58 |
| WH @ SURFACE | H212443-17 | Soil | 07-Sep-21 11:00 | 07-Sep-21 16:58 |
| WH @ 1' | H212443-18 | Soil | 07-Sep-21 11:15 | 07-Sep-21 16:58 |
| SP 1 V @ SURFACE | H212443-19 | Soil | 07-Sep-21 11:15 | 07-Sep-21 16:58 |
| SP 1 V @ 1' | H212443-20 | Soil | 07-Sep-21 11:15 | 07-Sep-21 16:58 |
| SP 2 V @ SURFACE | H212443-21 | Soil | 07-Sep-21 14:00 | 07-Sep-21 16:58 |
| SP 2 V @ 2' | H212443-22 | Soil | 07-Sep-21 14:00 | 07-Sep-21 16:58 |
| SP 3 V @ SURFACE | H212443-23 | Soil | 07-Sep-21 14:00 | 07-Sep-21 16:58 |
| SP 3 V @ 2' | H212443-24 | Soil | 07-Sep-21 14:00 | 07-Sep-21 16:58 |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

NH @ SURFACE
H212443-11 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 32.0 | | 16.0 | mg/kg | 4 | 1090821 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 104 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 103 % | 44.3-133 | | 1090902 | CK | 09-Sep-21 | 8015B | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 97.4 % | 38.9-142 | | 1090902 | CK | 09-Sep-21 | 8015B | |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

NH @ 1'
H212443-12 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 16.0 | | 16.0 | mg/kg | 4 | 1090821 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|--|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 103 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|--|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |

| | | | | | | | | | | |
|----------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> | | | 96.2 % | 44.3-133 | | 1090902 | CK | 09-Sep-21 | 8015B | |
|----------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|--------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 89.1 % | 38.9-142 | | 1090902 | CK | 09-Sep-21 | 8015B | |
|--------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

EH @ SURFACE**H212443-13 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 32.0 | | 16.0 | mg/kg | 4 | 1090821 | GM | 09-Sep-21 | 4500-Cl-B | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140 1090812 ms 09-Sep-21 8021B

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| DRO >C10-C28* | 84.4 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | 51.4 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |

Surrogate: 1-Chlorooctane 103 % 44.3-133 1090902 CK 09-Sep-21 8015B

Surrogate: 1-Chlorooctadecane 98.4 % 38.9-142 1090902 CK 09-Sep-21 8015B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

EH @ 1'
H212443-14 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|----------|-------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | <16.0 | | 16.0 | mg/kg | 4 | 1090821 | GM | 09-Sep-21 | 4500-Cl-B | |
|----------|-------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 104 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090902 | CK | 09-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 98.9 % | 44.3-133 | | 1090902 | CK | 09-Sep-21 | 8015B | |
|---------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 91.9 % | 38.9-142 | | 1090902 | CK | 09-Sep-21 | 8015B | |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SH @ SURFACE**H212443-15 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 48.0 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 102 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 102 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 104 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SH @ 1'
H212443-16 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 208 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 101 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 96.4 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 98.3 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

WH @ SURFACE**H212443-17 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 32.0 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 103 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 102 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 103 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

WH @ 1'
H212443-18 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 96.0 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|--|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 102 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|--|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|----------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> | | | 98.5 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|----------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|--------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 99.6 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|--------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SP 1 V @ SURFACE**H212443-19 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 32.0 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 102 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|----------------------------|------------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | 656 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | 407 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 101 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 119 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SP 1 V @ 1'
H212443-20 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 48.0 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 103 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | 52.5 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | 18.5 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 102 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 105 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SP 2 V @ SURFACE**H212443-21 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 192 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | |
|----------------|--------|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | |
|---------------------------------------|-------|----------|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | 103 % | 69.9-140 | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|-------|----------|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID**S-04**

| | | | | | | | | | |
|------------------|-------|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | 2380 | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | 1300 | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | |
|---------------------------|--------|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | 95.1 % | 44.3-133 | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--------|----------|---------|----|-----------|-------|--|

| | | | | | | | |
|-------------------------------|-------|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | 172 % | 38.9-142 | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|-------|----------|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SP 2 V @ 2'
H212443-22 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 48.0 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090812 | ms | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 103 % | 69.9-140 | | 1090812 | ms | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 99.4 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 103 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SP 3 V @ SURFACE**H212443-23 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 224 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | |
|----------------|--------|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | 0.050 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | 0.050 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | 0.050 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | 0.150 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | 0.300 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |

| | | | | | | | |
|---------------------------------------|-------|----------|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | 102 % | 69.9-140 | 1090901 | MS | 09-Sep-21 | 8021B | |
|---------------------------------------|-------|----------|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | |
|------------------|-------|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | 928 | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | 344 | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | |
|---------------------------|--------|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | 93.0 % | 44.3-133 | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--------|----------|---------|----|-----------|-------|--|

| | | | | | | | |
|-------------------------------|-------|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | 131 % | 38.9-142 | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|-------|----------|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

SP 3 V @ 2'
H212443-24 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 144 | | 16.0 | mg/kg | 4 | 1090909 | GM | 09-Sep-21 | 4500-Cl-B | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 1090901 | MS | 09-Sep-21 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 101 % | 69.9-140 | | 1090901 | MS | 09-Sep-21 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| DRO >C10-C28* | 22.5 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |
| EXT DRO >C28-C36 | 20.0 | | 10.0 | mg/kg | 1 | 1090903 | MS | 10-Sep-21 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 100 % | 44.3-133 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 101 % | 38.9-142 | | 1090903 | MS | 10-Sep-21 | 8015B | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

Inorganic Compounds - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|

Batch 1090821 - 1:4 DI Water**Blank (1090821-BLK1)**

Prepared & Analyzed: 08-Sep-21

| | | | | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|
| Chloride | ND | 16.0 | mg/kg | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|

LCS (1090821-BS1)

Prepared & Analyzed: 08-Sep-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|
| Chloride | 416 | 16.0 | mg/kg | 400 | 104 | 80-120 | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|

LCS Dup (1090821-BSD1)

Prepared & Analyzed: 08-Sep-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|
| Chloride | 432 | 16.0 | mg/kg | 400 | 108 | 80-120 | 3.77 | 20 | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|

Batch 1090909 - 1:4 DI Water**Blank (1090909-BLK1)**

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|
| Chloride | ND | 16.0 | mg/kg | | | | | | |
|----------|----|------|-------|--|--|--|--|--|--|

LCS (1090909-BS1)

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|
| Chloride | 400 | 16.0 | mg/kg | 400 | 100 | 80-120 | | | |
|----------|-----|------|-------|-----|-----|--------|--|--|--|

LCS Dup (1090909-BSD1)

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|
| Chloride | 432 | 16.0 | mg/kg | 400 | 108 | 80-120 | 7.69 | 20 | |
|----------|-----|------|-------|-----|-----|--------|------|----|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1090812 - Volatiles**Blank (1090812-BLK1)**

Prepared: 08-Sep-21 Analyzed: 09-Sep-21

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|-----|----------|--|--|--|
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0531 | | mg/kg | 0.0500 | | 106 | 69.9-140 | | | |

LCS (1090812-BS1)

Prepared: 08-Sep-21 Analyzed: 09-Sep-21

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|-----|----------|--|--|------|
| Benzene | 2.10 | 0.050 | mg/kg | 2.00 | | 105 | 85.1-114 | | | |
| Toluene | 2.21 | 0.050 | mg/kg | 2.00 | | 110 | 88.6-116 | | | |
| Ethylbenzene | 2.19 | 0.050 | mg/kg | 2.00 | | 110 | 84.4-115 | | | |
| m,p-Xylene | 4.43 | 0.100 | mg/kg | 4.00 | | 111 | 85.5-116 | | | |
| o-Xylene | 2.24 | 0.050 | mg/kg | 2.00 | | 112 | 85.2-111 | | | BS-3 |
| Total Xylenes | 6.67 | 0.150 | mg/kg | 6.00 | | 111 | 86.2-113 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0533 | | mg/kg | 0.0500 | | 107 | 69.9-140 | | | |

LCS Dup (1090812-BSD1)

Prepared: 08-Sep-21 Analyzed: 09-Sep-21

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|-----|----------|------|------|--|
| Benzene | 2.00 | 0.050 | mg/kg | 2.00 | | 100 | 85.1-114 | 4.82 | 12.6 | |
| Toluene | 2.06 | 0.050 | mg/kg | 2.00 | | 103 | 88.6-116 | 6.70 | 13.3 | |
| Ethylbenzene | 2.03 | 0.050 | mg/kg | 2.00 | | 102 | 84.4-115 | 7.66 | 13.9 | |
| m,p-Xylene | 4.09 | 0.100 | mg/kg | 4.00 | | 102 | 85.5-116 | 8.13 | 13.6 | |
| o-Xylene | 2.06 | 0.050 | mg/kg | 2.00 | | 103 | 85.2-111 | 8.25 | 14.1 | |
| Total Xylenes | 6.15 | 0.150 | mg/kg | 6.00 | | 102 | 86.2-113 | 8.17 | 13.4 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0512 | | mg/kg | 0.0500 | | 102 | 69.9-140 | | | |

Batch 1090901 - Volatiles**Blank (1090901-BLK1)**

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | | |
|---------------|----|-------|-------|--|--|--|--|--|--|--|
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1090901 - Volatiles**Blank (1090901-BLK1)**

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|-----|----------|--|--|--|
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0504 | | mg/kg | 0.0500 | | 101 | 69.9-140 | | | |

LCS (1090901-BS1)

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene | 1.80 | 0.050 | mg/kg | 2.00 | | 90.2 | 85.1-114 | | | |
| Toluene | 1.99 | 0.050 | mg/kg | 2.00 | | 99.4 | 88.6-116 | | | |
| Ethylbenzene | 1.95 | 0.050 | mg/kg | 2.00 | | 97.7 | 84.4-115 | | | |
| m,p-Xylene | 3.99 | 0.100 | mg/kg | 4.00 | | 99.8 | 85.5-116 | | | |
| o-Xylene | 1.93 | 0.050 | mg/kg | 2.00 | | 96.3 | 85.2-111 | | | |
| Total Xylenes | 5.92 | 0.150 | mg/kg | 6.00 | | 98.6 | 86.2-113 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0490 | | mg/kg | 0.0500 | | 98.0 | 69.9-140 | | | |

LCS Dup (1090901-BS1)

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|------|------|--|
| Benzene | 1.92 | 0.050 | mg/kg | 2.00 | | 95.9 | 85.1-114 | 6.14 | 12.6 | |
| Toluene | 2.11 | 0.050 | mg/kg | 2.00 | | 105 | 88.6-116 | 5.81 | 13.3 | |
| Ethylbenzene | 2.08 | 0.050 | mg/kg | 2.00 | | 104 | 84.4-115 | 6.04 | 13.9 | |
| m,p-Xylene | 4.21 | 0.100 | mg/kg | 4.00 | | 105 | 85.5-116 | 5.29 | 13.6 | |
| o-Xylene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 85.2-111 | 5.92 | 14.1 | |
| Total Xylenes | 6.25 | 0.150 | mg/kg | 6.00 | | 104 | 86.2-113 | 5.49 | 13.4 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0499 | | mg/kg | 0.0500 | | 99.7 | 69.9-140 | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 1090902 - General Prep - Organics**Blank (1090902-BLK1)**

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 54.8 | | mg/kg | 50.0 | | 110 | 44.3-133 | | | |
| Surrogate: 1-Chlorooctadecane | 51.6 | | mg/kg | 50.0 | | 103 | 38.9-142 | | | |

LCS (1090902-BS1)

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10 | 204 | 10.0 | mg/kg | 200 | | 102 | 83.4-129 | | | |
| DRO >C10-C28 | 211 | 10.0 | mg/kg | 200 | | 106 | 79.3-136 | | | |
| Total TPH C6-C28 | 415 | 10.0 | mg/kg | 400 | | 104 | 85.3-130 | | | |
| Surrogate: 1-Chlorooctane | 55.3 | | mg/kg | 50.0 | | 111 | 44.3-133 | | | |
| Surrogate: 1-Chlorooctadecane | 52.4 | | mg/kg | 50.0 | | 105 | 38.9-142 | | | |

LCS Dup (1090902-BS1)

Prepared & Analyzed: 09-Sep-21

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|-----|----------|------|------|--|
| GRO C6-C10 | 200 | 10.0 | mg/kg | 200 | | 100 | 83.4-129 | 1.67 | 12.6 | |
| DRO >C10-C28 | 206 | 10.0 | mg/kg | 200 | | 103 | 79.3-136 | 2.25 | 12.1 | |
| Total TPH C6-C28 | 407 | 10.0 | mg/kg | 400 | | 102 | 85.3-130 | 1.96 | 11.6 | |
| Surrogate: 1-Chlorooctane | 54.3 | | mg/kg | 50.0 | | 109 | 44.3-133 | | | |
| Surrogate: 1-Chlorooctadecane | 51.7 | | mg/kg | 50.0 | | 103 | 38.9-142 | | | |

Batch 1090903 - General Prep - Organics**Blank (1090903-BLK1)**

Prepared: 09-Sep-21 Analyzed: 10-Sep-21

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 46.8 | | mg/kg | 50.0 | | 93.6 | 44.3-133 | | | |
| Surrogate: 1-Chlorooctadecane | 45.3 | | mg/kg | 50.0 | | 90.6 | 38.9-142 | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
13-Sep-21 15:30

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 1090903 - General Prep - Organics**LCS (1090903-BS1)**

Prepared: 09-Sep-21 Analyzed: 10-Sep-21

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| GRO C6-C10 | 207 | 10.0 | mg/kg | 200 | | 103 | 83.4-129 | | | |
| DRO >C10-C28 | 211 | 10.0 | mg/kg | 200 | | 105 | 79.3-136 | | | |
| Total TPH C6-C28 | 417 | 10.0 | mg/kg | 400 | | 104 | 85.3-130 | | | |
| Surrogate: 1-Chlorooctane | 48.0 | | mg/kg | 50.0 | | 96.0 | 44.3-133 | | | |
| Surrogate: 1-Chlorooctadecane | 45.5 | | mg/kg | 50.0 | | 91.0 | 38.9-142 | | | |

LCS Dup (1090903-BS1)

Prepared: 09-Sep-21 Analyzed: 10-Sep-21

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|------|----------|-------|------|--|
| GRO C6-C10 | 208 | 10.0 | mg/kg | 200 | | 104 | 83.4-129 | 0.803 | 12.6 | |
| DRO >C10-C28 | 208 | 10.0 | mg/kg | 200 | | 104 | 79.3-136 | 1.24 | 12.1 | |
| Total TPH C6-C28 | 416 | 10.0 | mg/kg | 400 | | 104 | 85.3-130 | 0.224 | 11.6 | |
| Surrogate: 1-Chlorooctane | 52.0 | | mg/kg | 50.0 | | 104 | 44.3-133 | | | |
| Surrogate: 1-Chlorooctadecane | 49.2 | | mg/kg | 50.0 | | 98.4 | 38.9-142 | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

| | |
|------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "C. 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 23 of 24

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|----------------------------|--|--------------|--|---|--|------------|--|------|--|-----|--|--------|--|---------|--|------------|--|------------|--|---------|--|------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: COG | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Jacqui Harris | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 14763 Project Owner: | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: MOSSY Federal colt H | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: COG | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Aaron Rios | | | | 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 | |
| H212443 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 NH@ SURF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 NH@ I' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 EH@ SURF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 EH@ I' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 SH@ SURF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 SH@ I' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 WH@ SURF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 WH@ I' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 SPIV@ SURF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 SPIV@ I' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

| | | | | | | | | | |
|-------------------------------------|--|------------------|--|---|--|--|--|----------------|--|
| Relinquished By: | | Date: | | Received By: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | |
| | | Time: | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | |
| | | | | | | REMARKS: | | | |
| Relinquished By: | | Date: | | Received By: | | Please email results to pm@etechenv.com. | | | |
| Aaron Rios | | 9-7-21 | | Jawara Aldabeyre | | | | | |
| Delivered By: (Circle One) | | Time: | | | | | | | |
| Sampler - UPS - Bus - Other: | | 4.5c #113 | | Sample Condition | | | | | |
| | | | | Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> | | | | | |
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| | | | | CHECKED BY: | | | | | |
| | | | | (Initials) | | | | | |

FORM-006
Revision 1.0

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

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 24 of 24

[illegible]

FORM-006
Revision 1.0

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



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

January 26, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOSSY FEDERAL 001H

Enclosed are the results of analyses for samples received by the laboratory on 01/25/22 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 1 @ 1' (H220271-01)

| 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 | 01/25/2022 | ND | 2.10 | 105 | 2.00 | 8.79 | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 2.03 | 101 | 2.00 | 8.09 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 2.01 | 100 | 2.00 | 8.43 | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 6.09 | 101 | 6.00 | 6.51 | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | 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 | 64.0 | 16.0 | 01/26/2022 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 42.3 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.9 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 3 @ 1' (H220271-02)

| 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 | 01/25/2022 | ND | 2.10 | 105 | 2.00 | 8.79 | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 2.03 | 101 | 2.00 | 8.09 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 2.01 | 100 | 2.00 | 8.43 | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 6.09 | 101 | 6.00 | 6.51 | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 304 | 16.0 | 01/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.3 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 4 @ 1' (H220271-03)

| 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 | 01/25/2022 | ND | 2.10 | 105 | 2.00 | 8.79 | | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 2.03 | 101 | 2.00 | 8.09 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 2.01 | 100 | 2.00 | 8.43 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 6.09 | 101 | 6.00 | 6.51 | | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 304 | 16.0 | 01/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 12.0 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.7 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 7 @ 1' (H220271-04)

| 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 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | 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 | 112 | 16.0 | 01/26/2022 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.8 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 8 @ 1' (H220271-05)

| 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 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/26/2022 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 585 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | 32.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 9 @ 1' (H220271-06)

| 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 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | | |
| Total BTEX | <0.300 | 0.300 | 01/25/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/26/2022 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 4500 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | 810 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 998 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 11 @ 1' (H220271-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | | |
| Total BTEx | <0.300 | 0.300 | 01/25/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/26/2022 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 5790 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | 1000 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 1260 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H220271-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | 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 | 192 | 16.0 | 01/26/2022 | 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 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 2 (H220271-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | 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 | 720 | 16.0 | 01/26/2022 | 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 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 27.8 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.6 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H220271-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | | |
| Total BTEX | <0.300 | 0.300 | 01/25/2022 | 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 | 64.0 | 16.0 | 01/26/2022 | 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 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 635 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | 182 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H220271-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | | |
| Total BTX | <0.300 | 0.300 | 01/25/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/26/2022 | 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 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2022
 Reported: 01/26/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/24/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 2 (H220271-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.94 | 97.1 | 2.00 | 9.77 | | |
| Toluene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.87 | 93.6 | 2.00 | 9.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/25/2022 | ND | 1.89 | 94.7 | 2.00 | 10.0 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/25/2022 | ND | 5.75 | 95.9 | 6.00 | 9.80 | | |
| Total BTEX | <0.300 | 0.300 | 01/25/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/26/2022 | 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 | 01/25/2022 | ND | 185 | 92.6 | 200 | 4.72 | |
| DRO >C10-C28* | 465 | 10.0 | 01/25/2022 | ND | 173 | 86.7 | 200 | 5.57 | |
| EXT DRO >C28-C36 | 94.3 | 10.0 | 01/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

| | |
|------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----------------|--------------|---|------------|----------|-----|---|--------|----------|-------------|--|------------|------------|--------|--------------------------------------|------|---|--|--|--|--|--|--|--|--|--|--|--|
| 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 #: 14763 Project Owner: COG Project Name: Mossy Field H Project Location: Rural Eddy Sampler Name: Dominic Casarez | | | | BILL TO P.O. #: Company: COG Attn: Jacqui Harnes Address: City: State: Zip: Phone #: Fax #: | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV. | | SAMPLING | | Chloride | TPH (8015M) | BTEX (8021B) | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | GRAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | | | | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | | | | | | | | | | | | |
| H220271 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | EW 1 | C | 1 | | | ✓ | | | | ✓ | | | 1/24/22 | | | X | X | X | | | | | | | | | | | |
| 12 | EW 2 | C | 1 | | | ✓ | | | | ✓ | | | 1/24/22 | | | X | X | X | | | | | | | | | | | |
| <div style="transform: rotate(-45deg);">KAP 1/25/22</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Date: 1/24/22 Time: 5:00p | | | | Received By: Date: 1-25-22 Time: 0830 | | | | 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: Rush! | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Received By: | | | | Delivered By: (Circle One) -6.5°C -0.5°C Sampler - UPS - Bus - Other: -7.0°C #113 | | | | Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | CHECKED BY: (Initials) | | | | | | | | | | | | | |



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

January 27, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOSSY FEDERAL 001H

Enclosed are the results of analyses for samples received by the laboratory on 01/26/22 9:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "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: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 2 @ 1' (H220300-01)

| 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 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTEX | <0.300 | 0.300 | 01/26/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 66.7 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 5 @ 1' (H220300-02)

| 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 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTEx | <0.300 | 0.300 | 01/26/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 160 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 31.0 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | 19.6 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 62.7 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 6 @ 1' (H220300-03)

| 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 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTX | <0.300 | 0.300 | 01/26/2022 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 29.3 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.0 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 10 @ 1' (H220300-04)

| 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 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTX | <0.300 | 0.300 | 01/26/2022 | 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 | 64.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 26.7 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 63.1 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 12 @ 1' (H220300-05)

| 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 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTX | <0.300 | 0.300 | 01/26/2022 | 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 | 96.0 | 16.0 | 01/27/2022 | 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 | 01/27/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 68.2 | 10.0 | 01/27/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | 13.4 | 10.0 | 01/27/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.0 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 13 @ 1' (H220300-06)

| 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 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTEx | <0.300 | 0.300 | 01/26/2022 | 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 | 48.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 29.2 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.9 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 14 @ 1' (H220300-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTEX | <0.300 | 0.300 | 01/26/2022 | 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 | 80.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 26.9 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.9 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 15 @ 1' (H220300-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTEX | <0.300 | 0.300 | 01/26/2022 | 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 | 64.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 43.0 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | 11.5 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.3 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 16 @ 1' (H220300-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTX | <0.300 | 0.300 | 01/26/2022 | 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 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.6 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H220300-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTX | <0.300 | 0.300 | 01/26/2022 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 55.2 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.1 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H220300-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTEx | <0.300 | 0.300 | 01/26/2022 | 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 | 48.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 517 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | 108 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 3 (H220300-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | |
| Total BTEX | <0.300 | 0.300 | 01/26/2022 | 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 | 128 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | |
| DRO >C10-C28* | 34.2 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.2 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/26/2022
 Reported: 01/27/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 3 (H220300-13)

| 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 | 01/26/2022 | ND | 2.04 | 102 | 2.00 | 6.04 | | |
| Toluene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.97 | 98.4 | 2.00 | 5.94 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/26/2022 | ND | 1.94 | 96.9 | 2.00 | 6.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/26/2022 | ND | 5.81 | 96.9 | 6.00 | 6.41 | | |
| Total BTX | <0.300 | 0.300 | 01/26/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: AC | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 01/27/2022 | 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 | 01/26/2022 | ND | 210 | 105 | 200 | 3.44 | | |
| DRO >C10-C28* | 60.3 | 10.0 | 01/26/2022 | ND | 193 | 96.6 | 200 | 3.75 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/26/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 79.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.0 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Page 16 of 17

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|----------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | |
| Project Manager: | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: <i>COG</i> | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: <i>Jacqui Harris</i> | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: | | | | | | | | | | | | | | | |
| Project #: <i>14763</i> Project Owner: <i>COG</i> | | | | City: | | | | | | | | | | | | | | | |
| Project Name: <i>Mossy Fed 1 H</i> | | | | State: Zip: | | | | | | | | | | | | | | | |
| Project Location: <i>Rural Eddy</i> | | | | Phone #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | |
| Sampler Name: <i>Dominic Casarez</i> | | | | Fax #: | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| FOR LAB USE ONLY | Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | PRESERV. | SAMPLING | DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) |
|------------------|----------------|----------------|-------------------|--------------|--|------------------------------------|----------|----------------|------|----------|-------------|--------------|
| | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | ACID/BASE: ICE / COOL OTHER: | | | | | | |
| | <i>4230300</i> | | | | | | | | | | | |
| | <i>1</i> | <i>F2 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | <i>1/25/22</i> | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>2</i> | <i>F5 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>3</i> | <i>F6 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>4</i> | <i>F10 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>5</i> | <i>F12 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>6</i> | <i>F13 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>7</i> | <i>F14 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>8</i> | <i>F15 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>9</i> | <i>F16 C1'</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |
| | <i>10</i> | <i>NW1</i> | <i>C</i> | <i>1</i> | <i>✓</i> | <i>✓</i> | | | | <i>X</i> | <i>X</i> | <i>X</i> |

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: <i>DaCa</i> | Date: <i>1/25/22</i> | Received By: <i>[Signature]</i> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: <i>[Signature]</i> | Date: <i>1-26-22</i> | Received By: <i>Jamara Oldaker</i> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) <i>UPS</i> | Date: <i>1-26-22</i> | Time: <i>0935</i> | REMARKS: <i>Rush!</i> | |
| Sampler - UPS - Bus - Other: | Time: <i>0935</i> | Sample Condition: <i>-1.1°C C-0.5°C</i> | Checked By: <i>[Signature]</i> | Please email copy of COC and results to pm@etechenv.com. |
| | Time: <i>0935</i> | Sample Condition: <i>-1.6°C #13</i> | Checked By: <i>[Signature]</i> | |



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

[illegible]

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

January 28, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOSSY FEDERAL 001H

Enclosed are the results of analyses for samples received by the laboratory on 01/27/22 13:08.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

| | |
|------------------|---|
| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG) |
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5) |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-----------------|-----------------|
| F 8 @ 2' | H220322-01 | Soil | 27-Jan-22 00:00 | 27-Jan-22 13:08 |
| F 9 @ 2' | H220322-02 | Soil | 27-Jan-22 00:00 | 27-Jan-22 13:08 |
| F 11 @ 2' | H220322-03 | Soil | 27-Jan-22 00:00 | 27-Jan-22 13:08 |
| WW 1 B | H220322-04 | Soil | 27-Jan-22 00:00 | 27-Jan-22 13:08 |
| WW 2 B | H220322-05 | Soil | 27-Jan-22 00:00 | 27-Jan-22 13:08 |
| EW 2 B | H220322-06 | Soil | 27-Jan-22 00:00 | 27-Jan-22 13:08 |
| SW 2 B | H220322-07 | Soil | 27-Jan-22 00:00 | 27-Jan-22 13:08 |

01/28/22 - Client clarified the sample IDs for -04 and -05. This is the revised report and it will replace the one sent earlier 01/28/22.

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

F 8 @ 2'
H220322-01 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 16.0 | | 16.0 | mg/kg | 4 | 2012808 | GM | 28-Jan-22 | 4500-Cl-B | |
|----------|------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|-----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140 2012715 MS/ 27-Jan-22 8021B

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 27-Jan-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 27-Jan-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 27-Jan-22 | 8015B | |

Surrogate: 1-Chlorooctane 113 % 66.9-136 2012710 MS 27-Jan-22 8015B

Surrogate: 1-Chlorooctadecane 116 % 59.5-142 2012710 MS 27-Jan-22 8015B

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

F 9 @ 2'
H220322-02 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 112 | | 16.0 | mg/kg | 4 | 2012808 | GM | 28-Jan-22 | 4500-Cl-B | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | |
|----------------|--------|-------|-------|----|---------|-----|-----------|-------|--|
| Benzene* | <0.050 | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Toluene* | <0.050 | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Ethylbenzene* | <0.050 | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total Xylenes* | <0.150 | 0.150 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total BTEX | <0.300 | 0.300 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |

| | | | | | | | |
|---------------------------------------|-------|----------|---------|-----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | 101 % | 69.9-140 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
|---------------------------------------|-------|----------|---------|-----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | |
|------------------|-------|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | 10.0 | mg/kg | 1 | 2012710 | MS | 27-Jan-22 | 8015B | |
| DRO >C10-C28* | 115 | 10.0 | mg/kg | 1 | 2012710 | MS | 27-Jan-22 | 8015B | |
| EXT DRO >C28-C36 | 26.4 | 10.0 | mg/kg | 1 | 2012710 | MS | 27-Jan-22 | 8015B | |

| | | | | | | | |
|---------------------------|-------|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | 109 % | 66.9-136 | 2012710 | MS | 27-Jan-22 | 8015B | |
|---------------------------|-------|----------|---------|----|-----------|-------|--|

| | | | | | | | |
|-------------------------------|-------|----------|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | 121 % | 59.5-142 | 2012710 | MS | 27-Jan-22 | 8015B | |
|-------------------------------|-------|----------|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

F 11 @ 2'
H220322-03 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 32.0 | | 16.0 | mg/kg | 4 | 2012808 | GM | 28-Jan-22 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|-----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |

| | | | | | | | | | | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 101 % | 69.9-140 | | 2012715 | MS/ | 27-Jan-22 | 8021B | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |

| | | | | | | | | | | |
|----------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> | | | 117 % | 66.9-136 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|----------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|--------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 122 % | 59.5-142 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|--------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

WW 1 B
H220322-04 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 32.0 | | 16.0 | mg/kg | 4 | 2012808 | GM | 28-Jan-22 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|-----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |

| | | | | | | | | | | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 103 % | 69.9-140 | | 2012715 | MS/ | 27-Jan-22 | 8021B | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |

| | | | | | | | | | | |
|----------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> | | | 115 % | 66.9-136 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|----------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|--------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 118 % | 59.5-142 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|--------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

WW 2 B
H220322-05 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 48.0 | | 16.0 | mg/kg | 4 | 2012808 | GM | 28-Jan-22 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|-----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |

| | | | | | | | | | | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 102 % | 69.9-140 | | 2012715 | MS/ | 27-Jan-22 | 8021B | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |

| | | | | | | | | | | |
|----------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> | | | 102 % | 66.9-136 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|----------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|--------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 105 % | 59.5-142 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|--------------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

EW 2 B
H220322-06 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 176 | | 16.0 | mg/kg | 4 | 2012808 | GM | 28-Jan-22 | 4500-Cl-B | |
|-----------------|------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|-----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |

| | | | | | | | | | | |
|---------------------------------------|--|--|-------|----------|--|---------|-----|-----------|-------|--|
| Surrogate: 4-Bromofluorobenzene (PID) | | | 101 % | 69.9-140 | | 2012715 | MS/ | 27-Jan-22 | 8021B | |
|---------------------------------------|--|--|-------|----------|--|---------|-----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| DRO >C10-C28* | 67.3 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| EXT DRO >C28-C36 | 13.8 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |

| | | | | | | | | | | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctane | | | 106 % | 66.9-136 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|---------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|
| Surrogate: 1-Chlorooctadecane | | | 113 % | 59.5-142 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|-------------------------------|--|--|-------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

SW 2 B
H220322-07 (Soil)

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|
|---------|--------|-----|-----------------|-------|----------|-------|---------|----------|--------|-------|

Cardinal Laboratories**Inorganic Compounds**

| | | | | | | | | | | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|
| Chloride | 64.0 | | 16.0 | mg/kg | 4 | 2012808 | GM | 28-Jan-22 | 4500-Cl-B | |
|-----------------|-------------|--|------|-------|---|---------|----|-----------|-----------|--|

Volatile Organic Compounds by EPA Method 8021

| | | | | | | | | | | |
|----------------|--------|--|-------|-------|----|---------|-----|-----------|-------|--|
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 2012715 | MS/ | 27-Jan-22 | 8021B | |

| | | | | | | | | | | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|
| <i>Surrogate: 4-Bromofluorobenzene (PID)</i> | | | 102 % | 69.9-140 | | 2012715 | MS/ | 27-Jan-22 | 8021B | |
|--|--|--|-------|----------|--|---------|-----|-----------|-------|--|

Petroleum Hydrocarbons by GC FID

| | | | | | | | | | | |
|------------------|-------|--|------|-------|---|---------|----|-----------|-------|--|
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 2012710 | MS | 28-Jan-22 | 8015B | |

| | | | | | | | | | | |
|----------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctane</i> | | | 88.0 % | 66.9-136 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|----------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

| | | | | | | | | | | |
|--------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|
| <i>Surrogate: 1-Chlorooctadecane</i> | | | 89.0 % | 59.5-142 | | 2012710 | MS | 28-Jan-22 | 8015B | |
|--------------------------------------|--|--|--------|----------|--|---------|----|-----------|-------|--|

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

Inorganic Compounds - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------|--------|--------------------|-------|----------------|--------------------------------|----------------|------|--------------|-------|
| Batch 2012808 - 1:4 DI Water | | | | | | | | | |
| Blank (2012808-BLK1) | | | | | Prepared & Analyzed: 28-Jan-22 | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | |
| LCS (2012808-BS1) | | | | | Prepared & Analyzed: 28-Jan-22 | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | 108 | 80-120 | | | |
| LCS Dup (2012808-BSD1) | | | | | Prepared & Analyzed: 28-Jan-22 | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | 104 | 80-120 | 3.77 | 20 | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 2012715 - Volatiles**Blank (2012715-BLK1)**

Prepared & Analyzed: 27-Jan-22

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|-----|----------|--|--|--|
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0505 | | mg/kg | 0.0500 | | 101 | 69.9-140 | | | |

LCS (2012715-BS1)

Prepared & Analyzed: 27-Jan-22

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|--|--|--|
| Benzene | 2.03 | 0.050 | mg/kg | 2.00 | | 102 | 85.1-114 | | | |
| Toluene | 1.97 | 0.050 | mg/kg | 2.00 | | 98.3 | 88.6-116 | | | |
| Ethylbenzene | 1.94 | 0.050 | mg/kg | 2.00 | | 97.1 | 84.4-115 | | | |
| m,p-Xylene | 3.93 | 0.100 | mg/kg | 4.00 | | 98.1 | 85.5-116 | | | |
| o-Xylene | 1.94 | 0.050 | mg/kg | 2.00 | | 97.0 | 85.2-111 | | | |
| Total Xylenes | 5.87 | 0.150 | mg/kg | 6.00 | | 97.8 | 86.2-113 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0488 | | mg/kg | 0.0500 | | 97.7 | 69.9-140 | | | |

LCS Dup (2012715-BS1)

Prepared & Analyzed: 27-Jan-22

| | | | | | | | | | | |
|---------------------------------------|--------|-------|-------|--------|--|------|----------|------|------|--|
| Benzene | 2.13 | 0.050 | mg/kg | 2.00 | | 107 | 85.1-114 | 4.81 | 12.6 | |
| Toluene | 2.06 | 0.050 | mg/kg | 2.00 | | 103 | 88.6-116 | 4.83 | 13.3 | |
| Ethylbenzene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 84.4-115 | 5.07 | 13.9 | |
| m,p-Xylene | 4.15 | 0.100 | mg/kg | 4.00 | | 104 | 85.5-116 | 5.50 | 13.6 | |
| o-Xylene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 85.2-111 | 5.08 | 14.1 | |
| Total Xylenes | 6.19 | 0.150 | mg/kg | 6.00 | | 103 | 86.2-113 | 5.36 | 13.4 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0479 | | mg/kg | 0.0500 | | 95.8 | 69.9-140 | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: MOSSY FEDERAL 001H
Project Number: 14763
Project Manager: JOEL LOWRY
Fax To:

Reported:
28-Jan-22 10:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2012710 - General Prep - Organics**Blank (2012710-BLK1)**

Prepared & Analyzed: 27-Jan-22

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 50.2 | | mg/kg | 50.0 | | 100 | 66.9-136 | | | |
| Surrogate: 1-Chlorooctadecane | 50.0 | | mg/kg | 50.0 | | 100 | 59.5-142 | | | |

LCS (2012710-BS1)

Prepared & Analyzed: 27-Jan-22

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|-----|----------|--|--|--|
| GRO C6-C10 | 212 | 10.0 | mg/kg | 200 | | 106 | 81.6-129 | | | |
| DRO >C10-C28 | 204 | 10.0 | mg/kg | 200 | | 102 | 83-129 | | | |
| Total TPH C6-C28 | 415 | 10.0 | mg/kg | 400 | | 104 | 84.5-127 | | | |
| Surrogate: 1-Chlorooctane | 55.0 | | mg/kg | 50.0 | | 110 | 66.9-136 | | | |
| Surrogate: 1-Chlorooctadecane | 56.2 | | mg/kg | 50.0 | | 112 | 59.5-142 | | | |

LCS Dup (2012710-BSD1)

Prepared & Analyzed: 27-Jan-22

| | | | | | | | | | | |
|-------------------------------|------|------|-------|------|--|-----|----------|-------|------|--|
| GRO C6-C10 | 210 | 10.0 | mg/kg | 200 | | 105 | 81.6-129 | 0.983 | 21.4 | |
| DRO >C10-C28 | 207 | 10.0 | mg/kg | 200 | | 104 | 83-129 | 1.69 | 17.9 | |
| Total TPH C6-C28 | 417 | 10.0 | mg/kg | 400 | | 104 | 84.5-127 | 0.335 | 17.6 | |
| Surrogate: 1-Chlorooctane | 56.4 | | mg/kg | 50.0 | | 113 | 66.9-136 | | | |
| Surrogate: 1-Chlorooctadecane | 56.5 | | mg/kg | 50.0 | | 113 | 59.5-142 | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager. Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 14763 Project Owner: COG Project Name: Mossy Fed 1 H Project Location: Rural Eddy Sampler Name: Dominic Casarez | | | | | | BILL TO | | | ANALYSIS REQUEST | | | | | | | | | | | |
|--|----------|-------------|--------------------|---|--------------------------------|---------------------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | P.O. #: | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | |
| | | | | | | Company COG | | | | | | | | | | | | | | |
| | | | | | | Attn: Jacquitharris | | | | | | | | | | | | | | |
| | | | | | | Address: | | | | | | | | | | | | | | |
| | | | | | | City: | | | | | | | | | | | | | | |
| | | | | | | State: | | | Zip: | | | | | | | | | | | |
| | | | | | | Phone #: | | | | | | | | | | | | | | |
| | | | | | | Fax #: | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | Lab I.D. | Sample I.D. | # CONTAINERS | MATRIX | PRESERV. | SAMPLING | | | | | | | | | | | | | | |
| | | | (GRAB OR COMPOUND) | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER | ACID/BASE ICE COOL OTHER | DATE TIME | | | | | | | | | | | | | | |
| | H220322 | F8 e2' | 1 | ✓ | ✓ | 2/27/22 | X | X | X | | | | | | | | | | | |
| | | F9 e2' | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | | | | |
| | | F11 e2' | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | | | | |
| | | NW1 B | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | | | | |
| | | NW2 B | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | | | | |
| | | EW2 B | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | | | | |
| | | SW2 B | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| NO / PETE | | | | | | | | | | | | | | | | | | | | |
| <small>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and other damages, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the service. No event shall constitute a release or exonerate or discharge from liability, including without limitation, uninsured self storage loss or use, or loss profits incurred to a subcontractor or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: [Signature] | | | Date: 2/27/22 | Received By: [Signature] | | | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Add'l Phone #: | | | | | | | | | | | |
| Relinquished By: [Signature] | | | Date: 1-27-22 | Received By: [Signature] | | | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO | | Add'l Fax #: | | | | | | | | | | | |
| Delivered By: (Circle One) -5.1e C-0.5e | | | Date: 1-27-22 | CHECKED BY: [Signature] | | | REMARKS: Push! | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: -5.6e #1/3 | | | Date: 1-27-22 | Sample Condition: Cool Intact | | | | | | | | | | | | | | | | |
| | | | | Cool Intact | | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | | |

Please email copy of COC and results to pm@etechniv



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

January 31, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOSSY FEDERAL 001H

Enclosed are the results of analyses for samples received by the laboratory on 01/28/22 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2022
 Reported: 01/31/2022
 Project Name: MOSSY FEDERAL 001H
 Project Number: 14763
 Project Location: COG - EDDY CO NM

Sampling Date: 01/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: F 9 @ 3' (H220339-01)

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2022 | ND | 192 | 95.8 | 200 | 2.98 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/29/2022 | ND | 226 | 113 | 200 | 1.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2022 | ND | | | | | |
| <hr/> | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 80.9 % | 66.9-136 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.6 % | 59.5-142 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Appendix C


Photographic Log


Photographic Log

| | |
|---|--|
| Photo Number: 1 |  |
| Photo Direction: East-Northeast | |
| Coordinates: 32.592760,-104.021727 | |
| Photo Description: View of the affected area. | |


| | |
|---|--|
| Photo Number: 2 |  |
| Photo Direction: West-Northwest | |
| Coordinates: 32.592760,-104.021727 | |
| Photo Description: View of the affected area. | |


Photographic Log

| | |
|---|---|
| Photo Number: 3 |  <p>9/1/21, 12:20 PM +32.592809,-104.021625</p> |
| Photo Direction: North | |
| Coordinates: 32.592809,-104.021625 | |
| Photo Description: View of the affected area. | |


| | |
|---|---|
| Photo Number: 4 |  <p>9/1/21, 12:20 PM +32.592809,-104.021625</p> |
| Photo Direction: North-Northwest | |
| Coordinates: 32.592809,-104.021625 | |
| Photo Description: View of the affected area. | |


Photographic Log

| | |
|---|---|
| Photo Number: 5 |  <p>9/1/21, 12:29 PM +32.592572,-104.021848</p> |
| Photo Direction: Northeast | |
| Coordinates: 32.592572,-104.021848 | |
| Photo Description: View of the affected area. | |

| | |
|--|---|
| Photo Number: 6 |  <p>Jan 25, 2022 at 10:54:48 AM</p> |
| Photo Direction: Northwest | |
| Coordinates: 32.592740,-104.021614 | |
| Photo Description: View of the excavated area. | |


Photographic Log

| | |
|--|--|
| Photo Number: 7 |  |
| Photo Direction: Northwest | |
| Coordinates: 32.592745,-104.021547 | |
| Photo Description: View of the excavated area. | |


| | |
|--|--|
| Photo Number: 8 |  |
| Photo Direction: Southeast | |
| Coordinates: 32.592886,-104.021672 | |
| Photo Description: View of the excavated area. | |


Photographic Log

| | |
|--|--|
| Photo Number: 9 |  |
| Photo Direction: East | |
| Coordinates: 32.592852,-104.021808 | |
| Photo Description: View of the excavated area. | |


| | |
|--|--|
| Photo Number: 10 |  |
| Photo Direction: East | |
| Coordinates: 32.592835,-104.021936 | |
| Photo Description: View of the excavated area. | |


Photographic Log

| | |
|--|---|
| Photo Number: 11 | <div>Jan 31, 2022 at 3:26:52 PM Carlsbad NM 88220 United States</div>  |
| Photo Direction: North | |
| Coordinates: 32.592698,-104.021693 | |
| Photo Description: View of the remediated area following backfill and regrading. | |

| | |
|--|--|
| Photo Number: 12 | <div>Jan 31, 2022 at 3:27:15 PM Carlsbad NM 88220 United States</div>  |
| Photo Direction: East | |
| Coordinates: 32.592783,-104.021824 | |
| Photo Description: View of the remediated area following backfill and regrading. | |

Photographic Log

| | |
|--|---|
| Photo Number: 13 | <div>Jan 31, 2022 at 3:28:32 PM Carlsbad NM 88220 United States</div>  |
| Photo Direction: South-Southeast | |
| Coordinates: 32.593042,-104.021660 | |
| Photo Description: View of the remediated area following backfill and regrading. | |

| | |
|--|--|
| Photo Number: 14 | <div>Jan 31, 2022 at 3:29:33 PM Carlsbad NM 88220 United States</div>  |
| Photo Direction: Northwest | |
| Coordinates: 32.592686,-104.021541 | |
| 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 79492

CONDITIONS

| | |
|---|---|
| Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701 | OGRID: 229137 |
| | Action Number: 79492 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| jnobui | None | 2/16/2022 |