

Incident ID	nAPP2316570980
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>270</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 9/27/2023

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

OCD Only

Received by: _____ Date: _____

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Closure

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

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

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

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

Printed Name: Connor WalkerTitle: Sr. Engineer

Signature: _____

Date: 09/27/2023email: cwalker@mewbourne.comTelephone: (806)202-5281

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: Nelson VelezDate: 01/22/2024Printed Name: Nelson VelezTitle: Environmental Specialist – Ad

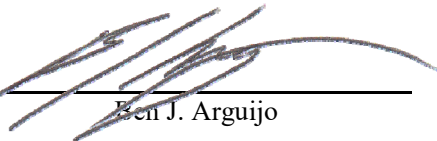
Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.

Remediation Summary & Soil Closure Request

Mewbourne Oil Company
Jennings 27 W0AP Fed Com #3H Battery
Lea County, New Mexico
Unit Letter "A", Section 27, Township 25 South, Range 32 East
Latitude 32.1077854° North, Longitude 103.656614° West
NMOCD Reference No. nAPP2316570980

Prepared By:

Etech Environmental & Safety Solutions, Inc.
6309 Indiana Ave, Ste. D
Lubbock, Texas 79413


Ben J. Arguijo


Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Jennings 27 W0AP Fed Com #3H Battery (henceforth, "Jennings Battery"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.1077854° Longitude: -103.656614°
Provided GPS are in WGS84 format.

Site Name: Jennings 27 W0AP Fed Com #3H Battery	Site Type: Tank Battery
Date Release Discovered: 6/1/2023	API # (if applicable): N/A

Unit Letter	Section	Township	Range	County
"A"	27	25S	32E	Lea

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

Nature and Volume of Release

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 8	Volume Recovered (bbls) 8
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 79	Volume Recovered (bbls) 112
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

Power failure caused air supply to separator dumps to fail, and fluid escaped through the pressure relief line.
Rainwater was present on location and was recovered along with the spilled volume.

Initial Response

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

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

A search of databases maintained by the NMOCD, 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 Jennings Battery release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	270'	
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

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

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 REMEDIATION ACTIVITIES SUMMARY

On July 19, 2023, remediation activities commenced at the Jennings Battery 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 chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floors of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis.

On July 19, 2023, Etech collected 21 confirmation soil samples (NW1 through NW4, SW1 through SW4, and FL1 @ 6" through FL13 @ 6") 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 that BTEX concentrations were below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory method detection limit (MDL) in each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL in soil samples FL4 @ 6" through FL12 @ 6" to 3,224 mg/kg in soil sample NW2. The TPH and/or GRO+DRO concentrations in soil samples NW2 and FL2 @ 6" exceeded the applicable NMOCD Closure Criteria. Chloride concentrations were below the NMOCD Closure Criterion and/or NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 688 mg/kg in soil sample SW2 to 3,600 mg/kg in soil sample NW2.

On July 20, 2023, Etech collected 39 confirmation soil samples (NW5 through NW9, EW1, SW5 through SW8, WW1, WW2, and FL14 @ 6" through FL40 @ 6") from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations were less than the laboratory MDL in a majority of the submitted soil samples, with the exception of samples NW7, NW8, SW7, SW8, and FL24 @ 4" through FL27 @ 4", which exhibited BTEX concentrations ranging from 1.77 mg/kg (FL24 @ 4") to 191 mg/kg (FL27 @ 4"). BTEX concentrations in soil samples SW7, FL25 @ 4", FL26 @ 4", and FL27 @ 4" exceeded the NMOCD Closure Criterion. TPH concentrations ranged from less than the laboratory MDL in soil samples WW1 and FL14 @ 6" through FL23 @ 6" to 51,220 mg/kg in soil sample NW7. The TPH and/or GRO+DRO concentrations in soil samples NW7, NW8, NW9, EW1, SW6, SW7, SW8, WW2, and FL24 @ 4" through FL40 @ 6" exceeded the applicable NMOCD Closure Criteria. Chloride concentrations were below the NMOCD Closure Criterion and/or NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 240 mg/kg in soil sample FL15 @ 6" to 15,400 mg/kg in soil sample NW7.

On August 10, 2023, based on laboratory analytical results, the excavation was further advanced in the areas characterized by sample points NW2, NW7, NW8, NW9, EW1, SW6, SW7, SW8, WW2, FL2 @ 6", and FL24 @ 4" through FL40 @ 6". Etech collected 27 confirmation soil samples (NW2B, NW7B, NW8B, NW9B, EW1B, SW6B, SW7B, SW8B, WW2B, FL2 @ 1', and FL24 @ 1' through FL40 @ 1.5') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of TPH. Soil samples SW7B, FL25 @ 1', FL26 @ 1', and FL27 @ 1' were also analyzed for BTEX. Laboratory analytical results indicated that BTEX concentrations were below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL in each of the analyzed samples. TPH concentrations ranged from 1,252 mg/kg in soil sample FL40 @ 1.5' to 11,023 mg/kg in soil sample FL27 @ 1'. The TPH and/or GRO+DRO concentrations in soil samples NW2B, NW7B, NW8B, NW9B, EW1B, SW6B, SW7B, SW8B, WW2B, FL2 @ 1', and FL24 @ 1' through FL39 @ 1.5' exceeded the applicable NMOCD Closure Criteria.

Pursuant to NMOCD regulations, a work plan or closure report was due for the Jennings Battery release by September 2, 2023. On August 11, 2023, Etech submitted an extension request to the NMOCD asking for additional time to fully excavate the site, gather confirmation soil samples, backfill the excavation, and prepare a site closure request. The NMOCD subsequently granted an extension until September 29, 2023, with no added stipulations.

On August 15, 2023, Etech conducted a delineation event at the release site in an effort to determine the extent of impacted soil. During the delineation event, three (3) test trenches (TT-1, TT-2, and TT-3) were advanced within the inferred margins of

the release to further investigate the vertical extent of impacted soil. In addition, a series of hand-augered soil borings (NH1 through NH9, EH1, SH1 through SH9, WH1, and WH2) were advanced along the inferred edges of the release to determine the horizontal extent of impacted soil. During the advancement of the test trenches/hand-augered soil borings, soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing olfactory/visual senses.

Based on field observations and field test results, a total of 46 delineation soil samples (NH1 @ Surf, NH1 @ 1 Ft, NH2 @ Surf, NH2 @ 1 Ft, NH3 @ Surf, NH3 @ 1 Ft, NH4 @ Surf, NH4 @ 1 Ft, NH5 @ Surf, NH5 @ 1 Ft, NH6 @ Surf, NH6 @ 1 Ft, NH7 @ Surf, NH7 @ 1 Ft, NH8 @ Surf, NH8 @ 1 Ft, NH9 @ Surf, NH9 @ 1 Ft, EH @ Surf, EH @ 1 Ft, SH1 @ Surf, SH1 @ 1 Ft, SH2 @ Surf, SH2 @ 1 Ft, SH3 @ Surf, SH3 @ 1 Ft, SH4 @ Surf, SH4 @ 1 Ft, SH5 @ Surf, SH5 @ 1 Ft, SH6 @ Surf, SH6 @ 1 Ft, SH7 @ Surf, SH7 @ 1 Ft, SH8 @ Surf, SH8 @ 1 Ft, WH1 @ Surf, WH1 @ 1 Ft, WH2 @ Surf, WH2 @ 1 Ft, TT-1 @ Surf, TT-1 @ 2 Ft, TT-2 @ Surf, TT-2 @ 2 Ft, TT-3 @ Surf, and TT-3 @ 2 Ft) were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations were less than the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL in each of the submitted soil samples. TPH concentrations were also below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL in a majority of the soil samples, with the exception of soil sample TT-3 @ Surf, which exhibited a TPH concentration of 22,490 mg/kg in exceedance of the NMOCD Closure Criterion. Chloride concentrations were below the NMOCD Closure Criterion and/or NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 16.0 mg/kg in soil samples EH @ Surf, SH1 @ Surf, SH2 @ Surf, SH4 @ Surf, SH7 @ Surf, SH7 @ 1 Ft, WH2 @ 1 Ft, and TT-1 @ 2 Ft to 6,800 mg/kg in soil sample TT-3 @ Surf.

Based on laboratory analytical results, the horizontal and vertical extent of impacted soil was adequately defined and did not extend beyond two (2) feet below ground surface in the areas characterized by test trenches TT-1, TT-2, and TT-3.

On August 21, 2023, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NW2B, NW7B, NW8B, NW9B, EW1B, SW6B, SW7B, SW8B, WW2B, FL2 @ 1', and FL24 @ 1' through FL39 @ 1.5'. Etech collected 26 confirmation soil samples (NW2.C, NW7.C, NW8.C, NW9.C, EW1.C, SW6.C, SW7.C, SW8.C, WW2.C, FL#2 @ 1'6", and FL#24 @ 1'6" through FL#39 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated that TPH concentrations were below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL in each of the submitted soil samples, with the exception of soil sample FL#2 @ 1'6", which exhibited a concentration of 13.2 mg/kg.

The final dimensions of the excavated area were approximately 155 to 260 feet in length, six (6) to 72 feet in width, and four (4) inches to two (2) feet in depth. During the course of remediation activities, Etech transported approximately 200 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 200 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

The extent of the excavated area and the locations of the confirmation soil samples, test trenches, and hand-augered soil borings are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

The release was limited to the bermed production pad of an active tank battery facility and did not impact the adjacent pasture. 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 compacted and contoured to fit the needs of the facility. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the SWD.

6.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate 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 Mewbourne Oil Company provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Jennings Battery release site.

7.0 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 referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

8.0 DISTRIBUTION

Mewbourne Oil Company

4801 Business Park Blvd.

Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1

1220 South St. Francis Drive

Santa Fe, NM 87505

United States Department of the Interior

Bureau of Land Management

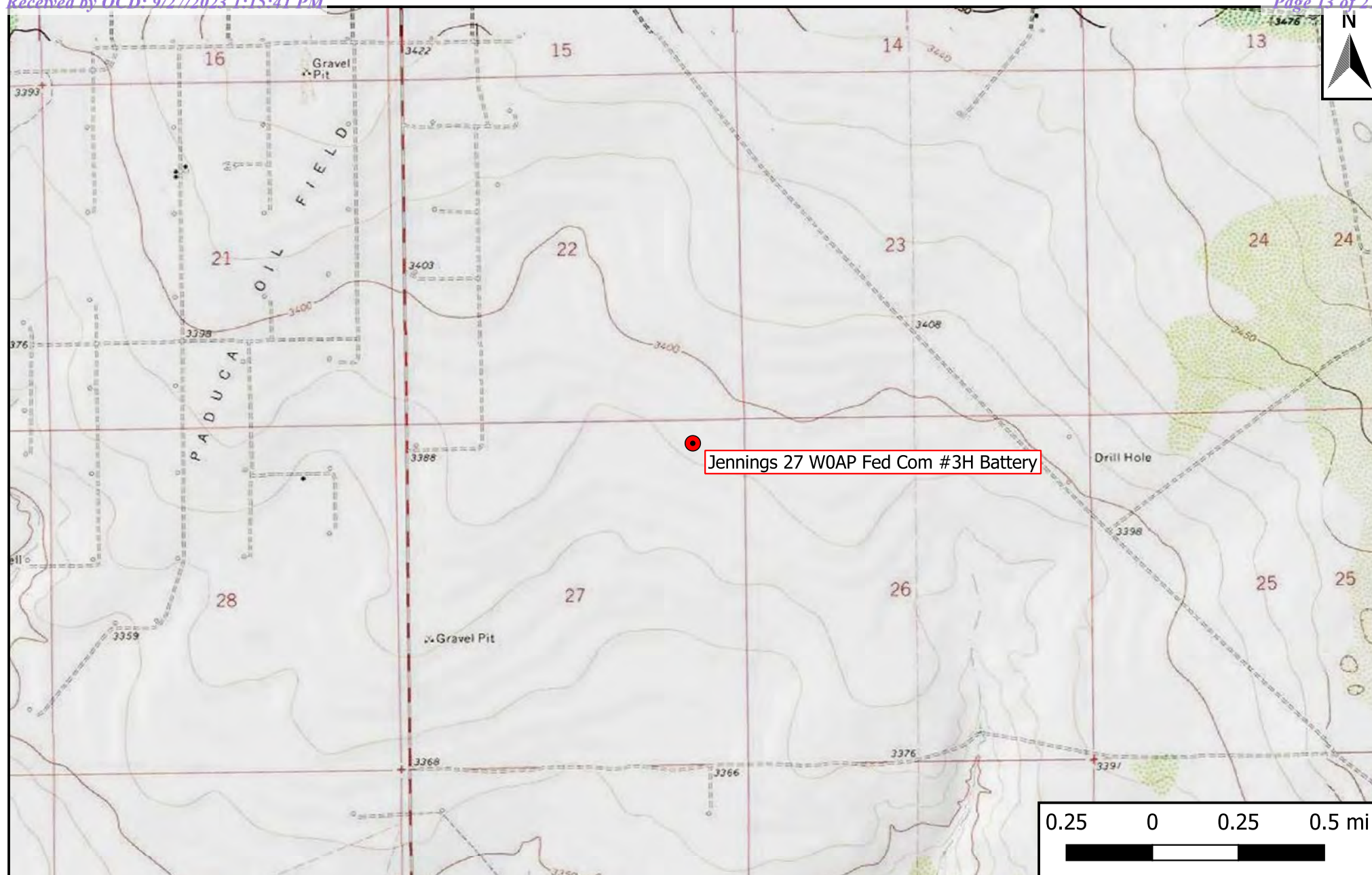
620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Topographic Map



Legend

● Site Location

Figure 1

Site Location Map
 Mewbourne Oil Company
 Jennings 27 W0AP Fed Com #3H Battery
 GPS: 32.1077854, -103.656614
 Lea County



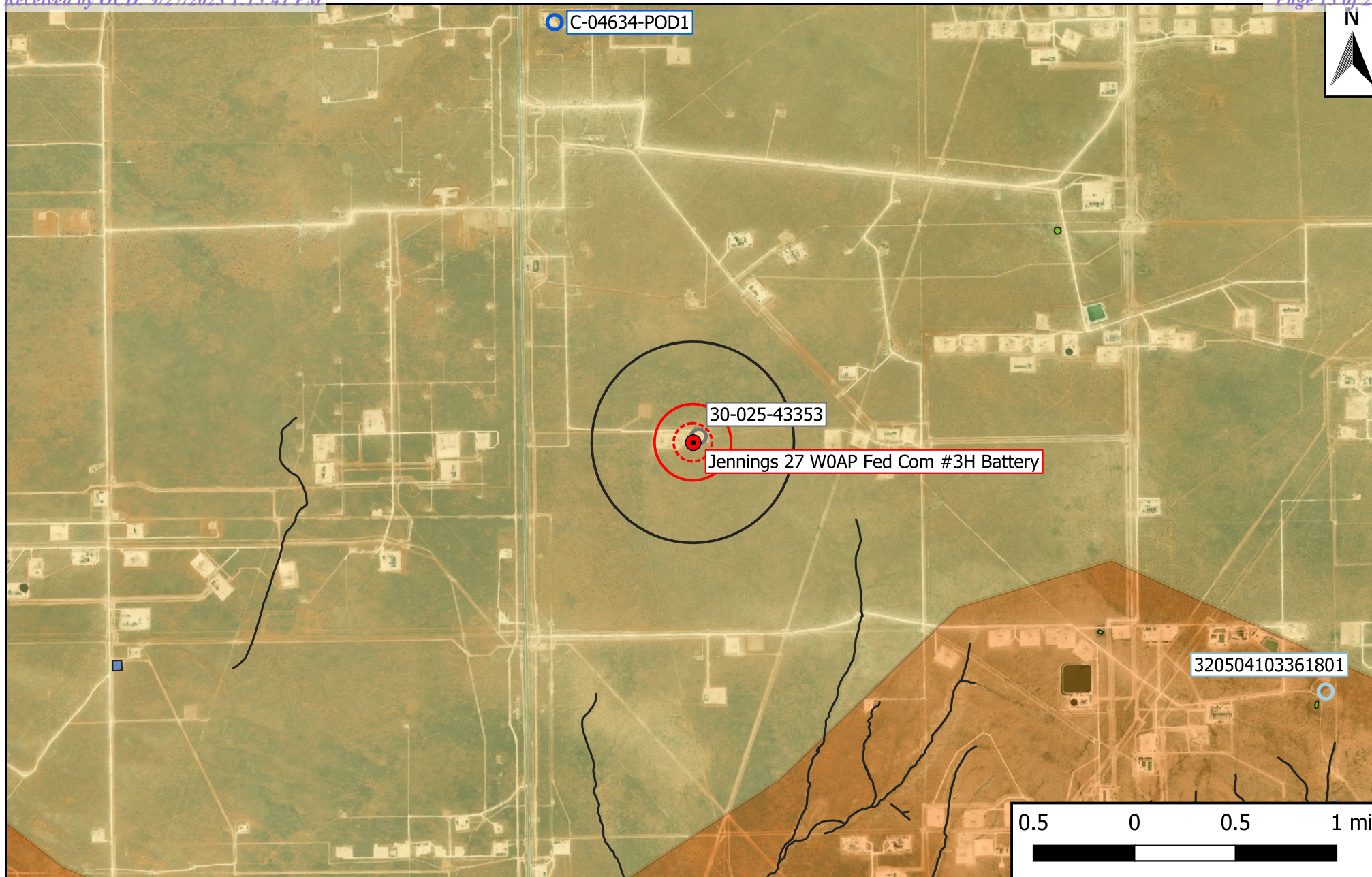
Drafted: bja

Checked: lc

Date: 8/2/23

Figure 2

Site Characterization Map



Legend

- | | | |
|------------------------------|---------------------------------|----------------------|
| ● Site Location | 1% Annual Flood Chance | 500-Ft Radius |
| ○ Well - NMOSE | Emergent/Forested Wetlands | 1,000-Ft Radius |
| ○ Well - USGS | Freshwater Pond/Lake | 0.5-Mi Radius |
| ○ Well - Exploratory/Monitor | Karst Potential (Low/Med./High) | Municipal Boundary |
| ○ Well - NMOCD | Riverine | Potash Mine Workings |

Figure 2

Site Characterization Map
 Mewbourne Oil Company
 Jennings 27 W0AP Fed Com #3H Battery
 GPS: 32.1077854, -103.656614
 Lea County



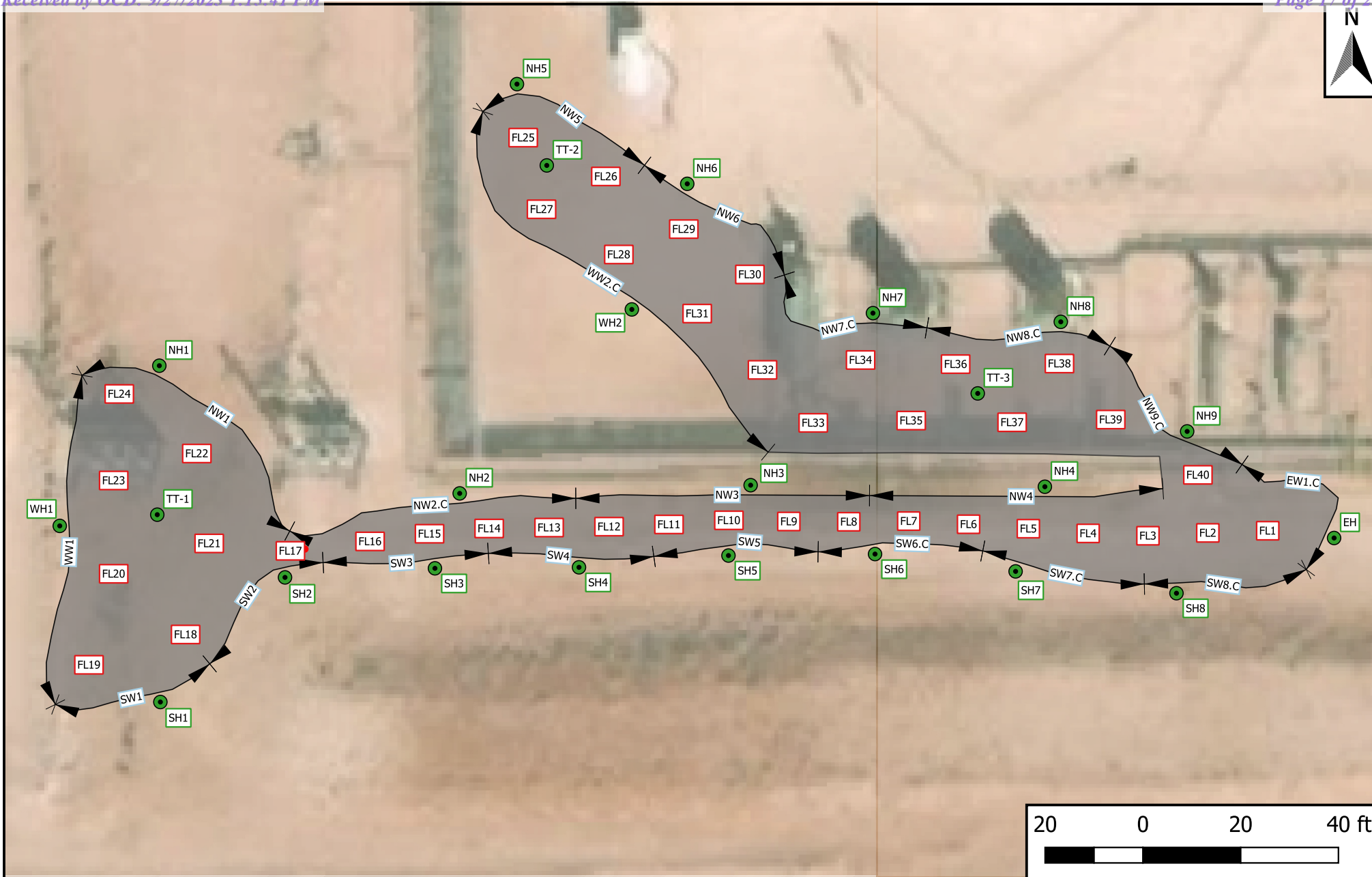
Drafted: bja

Checked: lc

Date: 8/2/23

Figure 3

Site & Sample Location Map



Legend

- Excavation Extent
- Composite Floor Sample
- |
|
 Composite Wall Sample
- Delineation Sample Location

Figure 3

Site & Sample Location Map
 Mewbourne Oil Company
 Jennings 27 W0AP Fed Com #3H Battery
 GPS: 32.1077854, -103.656614
 Lea County



Drafted: bja

Checked: IC

Date: 9/25/23

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Jennings 27 W0AP Fed Com #3H Battery NMOCD Ref. #: nAPP2316570980											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
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)
Delineation Samples											
NH1 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NH1 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH2 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NH2 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH3 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH3 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH4 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH4 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH5 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH5 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH6 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH6 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NH7 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH7 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH8 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NH8 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH9 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NH9 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EH @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH1 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH1 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SH2 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH2 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SH3 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SH3 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SH4 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH4 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH5 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH5 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH6 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH6 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH7 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH7 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH8 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH8 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH1 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH1 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WH2 @ Surf	8/15/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH2 @ 1 Ft	8/15/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
TT-1 @ Surf	8/15/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,070
TT-1 @ 2 Ft	8/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
TT-2 @ Surf	8/15/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,490
TT-2 @ 2 Ft	8/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Jennings 27 W0AP Fed Com #3H Battery NMOCD Ref. #: nAPP2316570980											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
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)
TT-3 @ Surf	8/15/2023	0	Excavated	<0.050	<0.300	<100	17,400	17,400	5,090	22,500	6,800
TT-3 @ 2 Ft	8/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
Excavation Samples											
NW1	7/19/2023	0-1.5	In-Situ	<0.050	<0.300	<10.0	599	599	176	775	2,000
NW2	7/19/2023	0-0.5	Excavated	<0.050	<0.300	<10.0	2,660	2,660	564	3,220	3,600
NW2B	8/10/2023	0-0.5	Excavated	-	-	<10.0	1,550	1,550	528	2,080	-
NW2.C	8/21/2023	0-0.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW3	7/19/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	721	721	223	944	2,280
NW4	7/19/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	48.2	48.2	14.7	62.9	1,280
NW5	7/20/2023	0-1.5	In-Situ	<0.050	<0.300	<10.0	21.2	21.2	<10.0	21.2	1,440
NW6	7/20/2023	0-2	In-Situ	<0.050	<0.300	<10.0	49.5	49.5	11.2	60.7	2,760
NW7	7/20/2023	0-2	Excavated	<0.050	11.6	1,010	41,200	42,200	9,010	51,200	15,400
NW7B	8/10/2023	0-2	Excavated	-	-	<10.0	5,200	5,200	1,780	6,980	-
NW7.C	8/21/2023	0-2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW8	7/20/2023	0-2	Excavated	0.0710	21.6	1,700	21,000	22,700	3,720	26,400	3,920
NW8B	8/10/2023	0-2	Excavated	-	-	10.9	5,800	5,810	1,940	7,750	-
NW8.C	8/21/2023	0-2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW9	7/20/2023	0-2	Excavated	<0.050	<0.300	<10.0	1,730	1,730	573	2,300	4,800
NW9B	8/10/2023	0-2	Excavated	-	-	<10.0	4,710	4,710	1,620	6,330	-
NW9.C	8/21/2023	0-2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
EW1	7/20/2023	0-1	Excavated	<0.050	<0.300	<10.0	5,570	5,570	1,900	7,470	3,440
EW1B	8/10/2023	0-1	Excavated	-	-	<10.0	2,530	2,530	834	3,360	-
EW1.C	8/21/2023	0-1	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
SW1	7/19/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	382	382	128	510	1,720
SW2	7/19/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	291	291	97.4	388	688
SW3	7/19/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	70.0	70.0	23.3	93.3	1,500
SW4	7/19/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	154	154	63.1	217	2,360
SW5	7/20/2023	0-0.5	In-Situ	<0.050	<0.300	<10.0	57.5	57.5	16.9	74.4	2,000
SW6	7/20/2023	0-0.5	Excavated	<0.050	<0.300	<10.0	3,500	3,500	1,260	4,760	4,720
SW6B	8/10/2023	0-0.5	Excavated	-	-	<10.0	1,500	1,500	584	2,080	-
SW6.C	8/21/2023	0-0.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
SW7	7/20/2023	0-0.5	Excavated	0.105	51.6	864	30,700	31,600	7,120	38,700	1,460
SW7B	8/10/2023	0-0.5	Excavated	<0.050	<0.300	<10.0	1,870	1,870	709	2,580	-
SW7.C	8/21/2023	0-0.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
SW8	7/20/2023	0-1	Excavated	<0.050	9.99	437	13,800	14,200	3,520	17,800	5,440
SW8B	8/10/2023	0-1	Excavated	-	-	<10.0	5,460	5,460	1,730	7,190	-
SW8.C	8/21/2023	0-1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
WW1	7/20/2023	0-1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,070
WW2B	8/10/2023	0-0.5	Excavated	-	-	<10.0	2,160	2,160	705	2,870	-
WW2.C	8/21/2023	0-0.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
WW2	7/20/2023	0-1.5	Excavated	<0.050	<0.300	<10.0	1,070	1,070	381	1,450	6,000
FL1 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	31.2	31.2	16.4	47.6	1,330
FL2 @ 6"	7/19/2023	0.5	Excavated	<0.050	<0.300	<10.0	1,690	1,690	417	2,110	3,400
FL2 @ 1'	8/10/2023	1	Excavated	-	-	<100	18,500	18,500	5,590	7,440	-
FL#2 @ 1'6"	8/21/2023	1.5	In-Situ	-	-	<10.0	13.2	13.2	<10.0	13.2	-

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 Mewbourne Oil Company Jennings 27 W0AP Fed Com #3H Battery NMOCD Ref. #: nAPP2316570980											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
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)
FL3 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	423	423	165	588	1,630
FL4 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL5 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL6 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL7 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,310
FL8 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL9 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL10 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,360
FL11 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL12 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,320
FL13 @ 6"	7/19/2023	0.5	In-Situ	<0.050	<0.300	<10.0	52.3	52.3	20.6	72.9	2,600
FL14 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL15 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL16 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,700
FL17 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,000
FL18 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL19 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL20 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,410
FL21 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,470
FL22 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL23 @ 6"	7/20/2023	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL24 @ 4"	7/20/2023	0.33	Excavated	<0.050	1.77	133	12,900	13,000	2,670	15,700	6,240
FL24 @ 1'	8/10/2023	1	Excavated	-	-	<10.0	5,980	5,980	1,820	7,800	-
FL#24 @ 1'6"	8/21/2023	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL25 @ 4"	7/20/2023	0.33	Excavated	<1.00	135	4,540	28,800	33,300	4,700	38,000	3,760
FL25 @ 1'	8/10/2023	1	Excavated	<0.050	<0.300	<10.0	2,230	2,230	586	2,820	-
FL#25 @ 1'6"	8/21/2023	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL26 @ 4"	7/20/2023	0.33	Excavated	0.913	155	4,330	30,000	34,300	4,860	39,200	944
FL26 @ 1'	8/10/2023	1	Excavated	<0.050	<0.300	<10.0	3,030	3,030	834	3,860	-
FL#26 @ 1'6"	8/21/2023	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL27 @ 4"	7/20/2023	0.33	Excavated	<1.00	191	6,110	34,900	41,000	5,310	46,300	880
FL27 @ 1'	8/10/2023	1	Excavated	<0.050	<0.300	12.5	8,670	8,680	2,340	11,000	-
FL#27 @ 1'6"	8/21/2023	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL28 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	2,990	2,990	771	3,760	3,520
FL28 @ 1.5'	8/10/2023	1.5	Excavated	-	-	12.1	8,460	8,470	2,280	10,800	-
FL#28 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL29 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	3,450	3,450	1,230	4,680	3,840
FL29 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	3,310	3,310	925	4,240	-
FL#29 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL30 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	1,930	1,930	737	2,670	3,720
FL30 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	6,980	6,980	2,060	9,040	-
FL#30 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL31 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	1,920	1,920	779	2,700	3,880
FL31 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	1,100	1,100	267	1,370	-
FL#31 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-

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 Mewbourne Oil Company Jennings 27 W0AP Fed Com #3H Battery NMOCD Ref. #: nAPP2316570980											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
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)
FL32 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	1,650	1,650	663	2,310	2,320
FL32 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	5,440	5,440	1,680	7,120	-
FL#32 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL33 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	1,290	1,290	532	1,820	3,720
FL33 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	2,980	2,980	1,030	4,010	-
FL#33 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL34 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	1,770	1,770	725	2,500	3,840
FL34 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	5,780	5,780	1,760	7,540	-
FL#34 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL35 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	2,850	2,850	1,060	3,910	3,720
FL35 @ 1.5'	8/10/2023	1.5	Excavated	-	-	11.4	7,520	7,530	2,330	9,860	-
FL#35 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL36 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	3,340	3,340	1,200	4,540	5,120
FL36 @ 1.5'	8/10/2023	1.5	Excavated	-	-	11.2	7,350	7,360	2,210	9,570	-
FL#36 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL37 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	4,840	4,840	1,680	6,520	6,530
FL37 @ 1.5'	8/10/2023	1.5	Excavated	-	-	10.2	6,420	6,430	1,980	8,410	-
FL#37 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL38 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	2,890	2,890	1,110	4,000	4,640
FL38 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	4,610	4,610	1,500	6,110	-
FL#38 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL39 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	8,150	8,150	2,640	10,800	6,000
FL39 @ 1.5'	8/10/2023	1.5	Excavated	-	-	<10.0	1,100	1,100	318	1,420	-
FL#39 @ 2'	8/21/2023	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL40 @ 6"	7/20/2023	0.5	Excavated	<0.050	<0.300	<10.0	9,550	9,550	2,950	12,500	6,240
FL40 @ 1.5'	8/10/2023	1.5	In-Situ	-	-	<10.0	963	963	289	1,250	-

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information

Mewbourne Oil Company, Jennings 27 W1AP Fed Com #3H**Sec 27, T25S, R32E****SL: 185' FNL & 580' FEL****BHL: 330' FSL & 450' FEL**

Extracted from the "Application for Permit to Drill or Reenter" for the Jennings 27 W0AP Federal Com #003H well (API #30-025-43353).

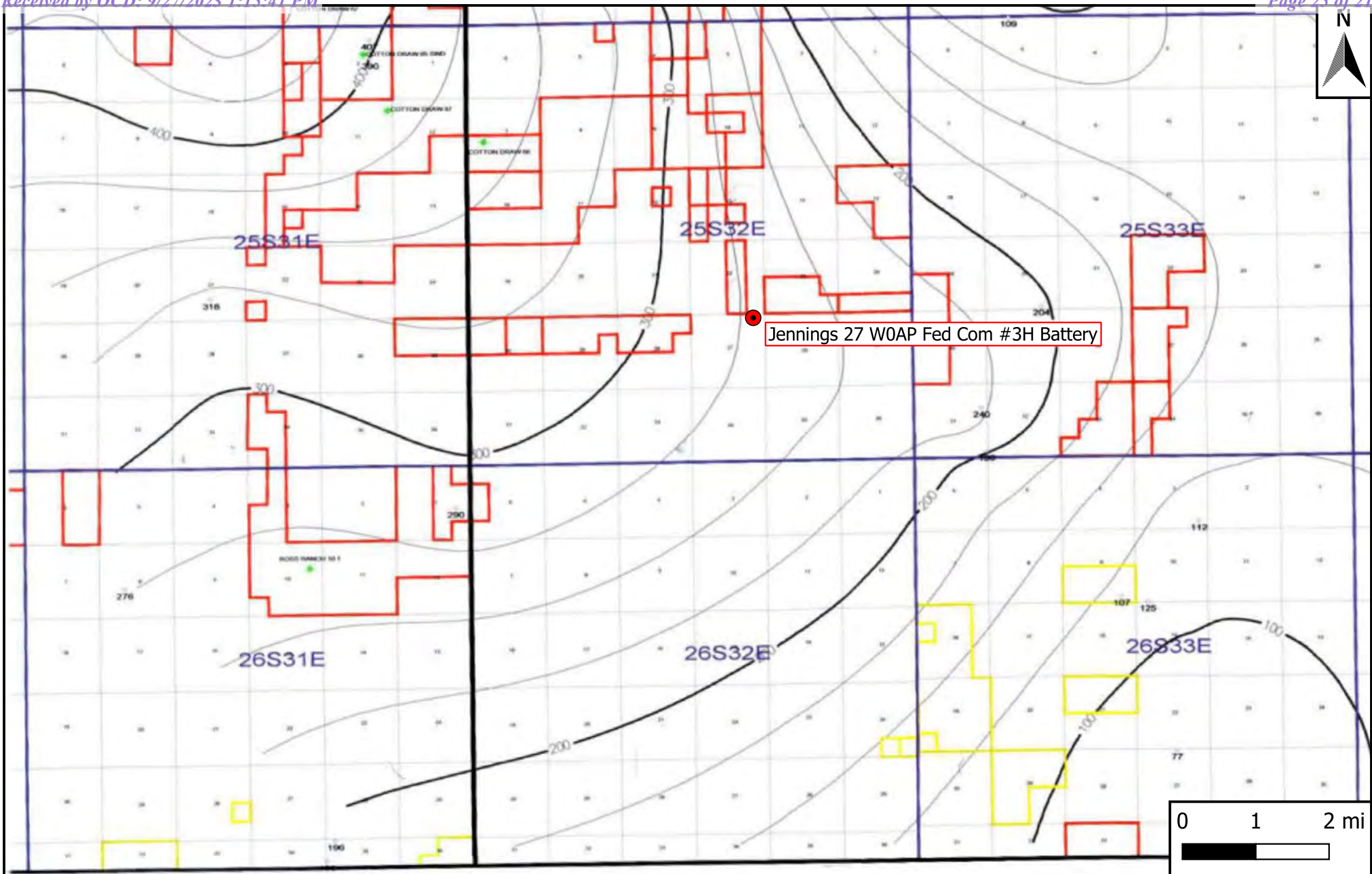
1. Geologic Formations

TVD of target	12158'	Pilot hole depth	NA
MD at TD:	16625'	Deepest expected fresh water:	275'

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface		
Rustler	739		
Top of Salt	1110		
Castile		Barren	
Base of Salt	4447		
Lamar	4670	Oil	
Bell Canyon	4711		
Cherry Canyon	5722		
Manzanita Marker	5873		
Brushy Canyon	7450		
Bone Spring	8712	Oil/Gas	
1 st Bone Spring Sand	9732		
2 nd Bone Spring Sand	10287		
3 rd Bone Spring Sand	11457		
Abo			
Wolfcamp	11907	Target Zone	
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

*H2S, water flows, loss of circulation, abnormal pressures, etc.



Legend

● Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Mewbourne Oil Company
 Jennings 27 W0AP Fed Com #3H Battery
 GPS: 32.1077854, -103.656614
 Lea County



Drafted: bja

Checked: lc

Date: 8/2/23



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 6	Q 4	Q 1	Sec	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_04634 POD1		CUB	LE	4	3	3	10	25S	32E	625643	3556522	3522	55		
C_04722 POD1		CUB	LE	3	3	2	29	25S	32E	622962	3552530	3835			

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 2

UTM NAD83 Radius Search (in meters):

Easting (X): 626742.98

Northing (Y): 3553175.87

Radius: 4830

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7/17/23 12:59 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04634 POD1	4	3	3	10	25S	32E	625643	3556522 

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 06/07/2022 **Drill Finish Date:** 06/07/2022 **Plug Date:**

Log File Date: 06/16/2022 **PCW Rev Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM

Casing Size: **Depth Well:** 55 feet **Depth Water:**

Casing Perforations:

Top	Bottom
0	55

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POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4634			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 8	SECONDS 17.23	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	40	4.33	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW SW Sec.10 T25S R32S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/7/2022	DRILLING ENDED 6/7/2022	DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/13/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

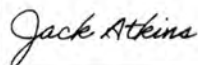
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	C-4634	POD NO.	POD 1	TRN NO.	726471
LOCATION	T25S 32E 10 4-3-3		WELL TAG ID NO.	N/A	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y ✓ N	
	4	14	10	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink	Y ✓ N	
	14	55	41	Sand, Fine-grained, poorly graded, with Caliche, 7.5 YR 7/6, Reddish Yellow	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 32 CDU 237	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	Jackie D. Atkins	6/16/2022
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	C-4634	POD NO.	POD1	TRN NO.	726471
LOCATION	255 322 10 4-3-3	WELL TAG ID NO.	N/A	PAGE 2 OF 2	



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)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04722 POD1	3	3	2	29	25S	32E	622962	3552530 
<hr/>									
Driller License: 1833		Driller Company:				VISION RESOURCES, INC			
Driller Name: JASON MALEY									
Drill Start Date: 06/01/2023		Drill Finish Date:				06/01/2023		Plug Date: 06/05/2023	
Log File Date: 06/13/2023		PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:				Depth Water:			
<hr/>									

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7/17/23 12:59 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer



Transaction Summary

EXPL Permit To Explore



Transaction Number: 744782 **Transaction Desc:** C 04722 POD1-2 **File Date:** 01/25/2023

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *****
Agent: VERTEX RESOURCES
Contact: KENT STALLINGS
User: DEVON ENERGY RESOURCES
Contact: DALE WOODALL

Events

	Date	Type	Description	Comment	Processed By
	01/25/2023	APP	Application Received	*	*****
	01/25/2023	TEC	Technical Report	*PLG PLN OPS C	*****
	03/22/2023	FTN	Finalize non-published Trans.		*****
	05/24/2023	QAT	Quality Assurance Completed	DATA	*****
	05/24/2023	QAT	Quality Assurance Completed	DATA PLG PLN OPS	*****
	06/08/2023	QAT	Quality Assurance Completed	SQ2	*****
	06/12/2023	QAT	Quality Assurance Completed	IMAGE	*****
	06/13/2023	LOG	Well Log Received	*POD1	*****
	06/13/2023	TEC	Technical Report	*PLG RECORD	*****
	06/23/2023	DRY	Dry well log received		*****

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 04722	0	0		MON MONITORING WELL
**Point of Diversion				
C 04722 POD1		622962	3552530	
C 04722 POD2		620808	3559499	

Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required

- for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- Q The State Engineer retains jurisdiction over this permit.
- R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Action of the State Engineer

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved

Action Date: 03/22/2023

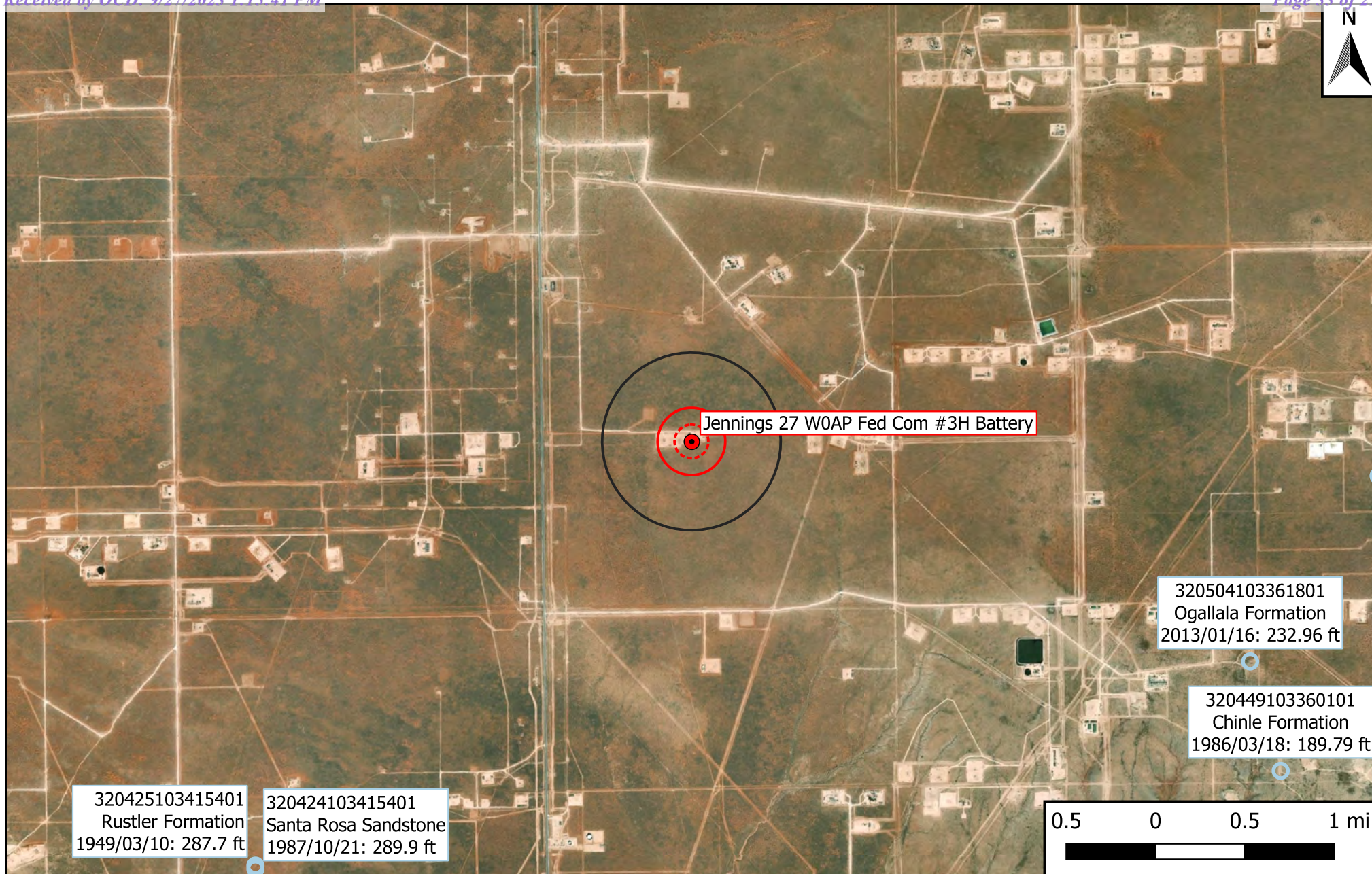
Log Due Date: 03/21/2024

State Engineer: Mike A. Hamman, P.

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7/17/23 1:02 PM

TRANSACTION
SUMMARY



Legend

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

Figure 5

USGS Well Proximity Map
Mewbourne Oil Company
Jennings 27 W0AP Fed Com #3H Battery
GPS: 32.1077854, -103.656614
Lea County



Drafted: bja

Checked: lc

Date: 8/2/23



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[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

United States

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320424103415401

Minimum number of levels = 1

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

USGS 320424103415401 26S.31E.01.421322

Eddy County, New Mexico

Latitude 32°04'24", Longitude 103°41'54" NAD27

Land-surface elevation 3,294 feet above NAVD88

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

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1983-01-26			D 72019	290.12			1	Z			A
1983-02-14			D 72019	289.42			1	Z			A
1987-10-21			D 72019	289.90			1	Z			A

Explanation

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

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320425103415401

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320425103415401 26S.31E.01.42110

Eddy County, New Mexico
Latitude 32°04'25", Longitude 103°41'54" NAD27
Land-surface elevation 3,295 feet above NAVD88
The depth of the well is 340 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1949-03-10		D	72019	287.70			1	Z			A

Explanation

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

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Groundwater levels for the Nation



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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320449103360101

Minimum number of levels = 1

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

USGS 320449103360101 25S.33E.31.44424

Lea County, New Mexico

Latitude 32°04'49", Longitude 103°36'01" NAD27

Land-surface elevation 3,383 feet above NAVD88

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1981-03-25		D	72019	192.15			P	Z			A
1986-03-18		D	72019	189.79			1	Z			A

Explanation

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

- Questions or Comments
- Automated retrievals
- Help
- Data Tips
- Explanation of terms
- Subscribe for system changes
- News





National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

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Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320504103361801

Minimum number of levels = 1

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

USGS 320504103361801 25S.33E.31.24232

Lea County, New Mexico
Latitude 32°05'21.6", Longitude 103°36'12.7" NAD83
Land-surface elevation 3,403.00 feet above NGVD29
The depth of the well is 320 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1954-07-26		D	72019	257.55			1	Z			A
1970-12-08		D	72019	240.14			P	Z			A
2013-01-16	19:45 UTC	m	72019	232.96			1	S	USGS	S	A

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

[Questions or Comments](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[News](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for USA: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-09-22 16:29:05 EDT

0.29 0.23 nadww01

Appendix B

Field Data



Sample Log

Date:

7/19/23

Project: Jennings Battery

Project Number:

18301

Latitude:

32.107813

Longitude:

-103.65665

Sample ID	PID/Odor	Chloride Conc.	GPS
NW1		5.0 3992	
NW2		6.0 5904	
NW3		5.4 4676	
NW4		3.4 1996	
SW1		4.2 2864	
SW2		2.6 1320	
SW3		3.8 2404	
SW4		4.4 3120	
FL1		3.2 1812	
FL2		4.8 3680	
FL3		3.2 1812	
FL4		2.8 1472	
FL5		2.8 1472	
FL6		2.6 1320	
FL7		3.0 1436	
FL8		4.0 2628	
FL9		3.6 2192	
FL10		3.8 2404	
FL11		3.6 2192	
FL12		3.2 1812	
FL13		4.8 3680	
NW5	7/20	3.2 1812	
NW6		4.8 3680	
SW5		4.0 2628	
WW1		3.2 1812	
FL14		2.6 1320	
FL15		1.2 <1186	
FL16		3.6 2192	
FL17		4.0 2628	
FL18		3.4 1996	
FL19		2.4 1186	
FL20		3.2 1812	
FL21		3.2 1812	
FL22		2.2 <1186	
FL23		3.0 1636	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date:

7/20/23

Project: Jennings Battery

Project Number:

18301

Latitude:

32.107813

Longitude:

-103.65665

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: 8-15-23Project: Jennings Battery

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
E H on Surface	NO	1.0 - NO	
E H at 1ft	NO	1.0 - NO	
SH 1 at Surface	NO	1.0 NO	
SH 1 at 1ft	NO	2.0 = 164	
SH 2 on Surface	NO	1.2 = NO	
SH 2 at 1ft	NO	2.0 = 164	
SH 3 on Surface	NO	1.8 = 164	
SH 3 at 1ft	NO	2.0 = 164	
SH 4 on Surface	NO	1.0 = NO	
SH 4 at 1ft	NO	1.0 = NO	
SH 5 on Surface	NO	NO = NO	
SH 5 at 1ft	NO	NO = NO	
SH 6 on Surface	NO	.8 NO	
SH 6 at 1ft	NO	.8 NO	
SH 7 on Surface	NO	1.0 NO	
SH 7 at 1ft	NO	1.8 = 164	
SH 8 on Surface	NO	1.0 NO	
SH 8 at 1ft	NO	.8 NO	
NH 1 on Surface	NO	1.8 164	
NH 1 at 1ft	NO	2.0 164	
NH 2 on Surface	NO	1.6 140	
NH 2 at 1ft	NO	2.0 164	
NH 3 on Surface			
NH 3 at 1ft			
NH 4 on Surface			
NH 4 at 1ft			
NH 5 on Surface			
NH 5 at 1ft			
NH 6 on Surface			
NH 6 at 1ft			
NH 7 on Surface			
NH 7 at 1ft			
NH 8 on Surface			
NH 8 at 1ft			
NH 9 on Surface			
NH 9 at 1ft			

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Jennings Battery

Project Number: 18301 Latitude: 32.107813 Longitude: -103.65665

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C

Photographic Log

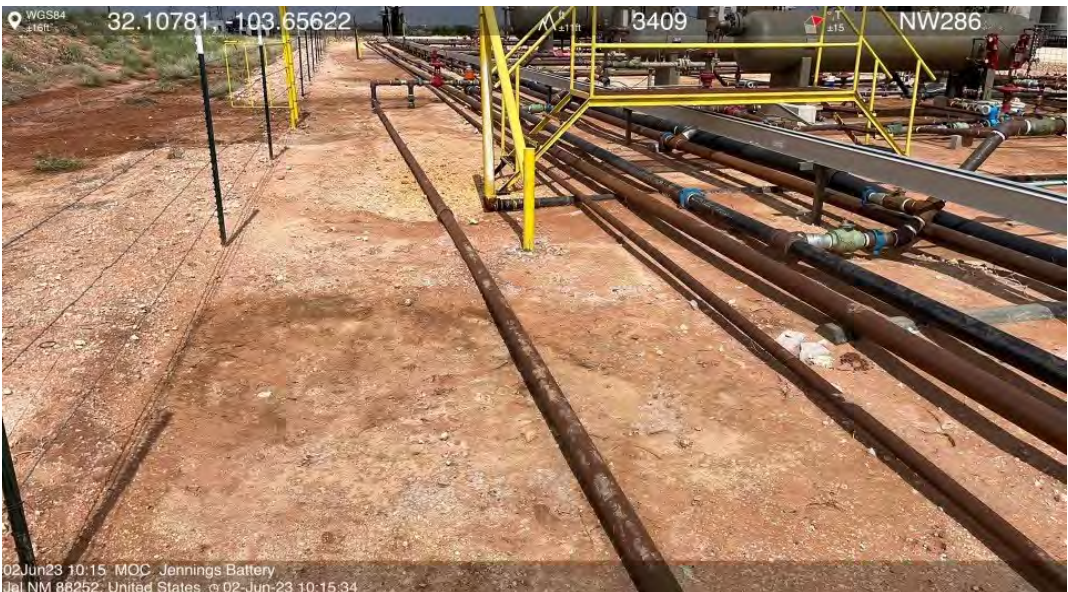
Photographic Log

Photo Number: 1	
Photo Direction: South	
Photo Description: View of the affected area.	

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

Photographic Log

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

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

Photographic Log


Photo Number: 5	 <p>02Jun23 10:16 MOC Jennings Battery Jal NM 88252, United States © 02-Jun-23 10:16:10</p>
Photo Direction: West	
Photo Description: View of the affected area.	

Photo Number: 6	 <p>02Jun23 10:17 MOC Jennings Battery Jal NM 88252, United States © 02-Jun-23 10:17:34</p>
Photo Direction: East	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 7	 <p>8/21/23, 7:43 AM +32.108108,-103.656839 NM, Jal</p>
Photo Direction: West-Southwest	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>8/21/23, 7:44 AM +32.108108,-103.656839 NM, Jal</p>
Photo Direction: East	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 9	 <p>8/21/23, 7:45 AM +32.107760 -103.656355 NM, Jal</p>
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Photo Number: 10	 <p>September 1, 2023 at 10:06 AM +32.107863 -103.656798</p>
Photo Direction: West-Southwest	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log

Photo Number: 11	 <p>September 1, 2023 at 10:06 AM +32.107863,-103.656798</p>
Photo Direction: East	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 12	 <p>September 1, 2023 at 10:06 AM +32.107932,-103.656597</p>
Photo Direction: Southwest	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix D

Laboratory Analytical Reports



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

July 28, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JENNINGS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/21/23 12:58.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/21/2023	Sampling Date:	07/19/2023
Reported:	07/28/2023	Sampling Type:	Soil
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NW 1 (H233826-01)

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	07/27/2023	ND	2.05	103	2.00	2.34	
Toluene*	<0.050	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.03	101	6.00	1.53	
Total BTEX	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	07/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	599	10.0	07/25/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	176	10.0	07/25/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H233826-02)

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	07/27/2023	ND	2.05	103	2.00	2.34	
Toluene*	<0.050	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.03	101	6.00	1.53	
Total BTEx	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	2660	10.0	07/25/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	564	10.0	07/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H233826-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	2.05	103	2.00	2.34	
Toluene*	<0.050	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.03	101	6.00	1.53	
Total BTEx	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	721	10.0	07/25/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	223	10.0	07/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 4 (H233826-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	2.05	103	2.00	2.34	
Toluene*	<0.050	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.03	101	6.00	1.53	
Total BTEX	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	48.2	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	14.7	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 5 (H233826-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	2.05	103	2.00	2.34		
Toluene*	<0.050	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	1.39		
Total Xylenes*	0.220	0.150	07/27/2023	ND	6.03	101	6.00	1.53		
Total BTEX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	07/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	21.2	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 6 (H233826-06)

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	07/27/2023	ND	2.05	103	2.00	2.34	
Toluene*	<0.050	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.02	101	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.03	101	6.00	1.53	
Total BTEx	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	49.5	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	11.2	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received:	07/21/2023	Sampling Date:	07/20/2023
Reported:	07/28/2023	Sampling Type:	Soil
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NW 7 (H233826-07)

BTEx 8021B			mg/kg					Analyzed By: MS		S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/27/2023	ND	2.05	103	2.00	2.34			
Toluene*	1.21	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40			
Ethylbenzene*	0.675	0.050	07/27/2023	ND	2.02	101	2.00	1.39			
Total Xylenes*	9.68	0.150	07/27/2023	ND	6.03	101	6.00	1.53			
Total BTEX	11.6	0.300	07/27/2023	ND							

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	15400	16.0	07/26/2023	ND	416	104	400	3.77			

TPH 8015M			mg/kg					Analyzed By: MS		S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	1010	50.0	07/26/2023	ND	174	87.2	200	12.7			
DRO >C10-C28*	41200	50.0	07/26/2023	ND	223	111	200	1.56			
EXT DRO >C28-C36	9010	50.0	07/26/2023	ND							

Surrogate: 1-Chlorooctane 207 % 48.2-134

Surrogate: 1-Chlorooctadecane 888 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 8 (H233826-08)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.071	0.050	07/27/2023	ND	2.05	103	2.00	2.34	
Toluene*	2.45	0.050	07/27/2023	ND	1.98	99.2	2.00	1.40	
Ethylbenzene*	1.38	0.050	07/27/2023	ND	2.02	101	2.00	1.39	
Total Xylenes*	17.7	0.150	07/27/2023	ND	6.03	101	6.00	1.53	
Total BTEx	21.6	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 242 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1700	50.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	21000	50.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	3720	50.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 232 % 48.2-134

Surrogate: 1-Chlorooctadecane 406 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 9 (H233826-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2023	ND	2.16	108	2.00	1.17	
Toluene*	<0.050	0.050	07/25/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.23	104	6.00	2.24	
Total BTEx	<0.300	0.300	07/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	07/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	1730	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	573	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H233826-10)

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	07/25/2023	ND	2.16	108	2.00	1.17		
Toluene*	<0.050	0.050	07/25/2023	ND	2.12	106	2.00	1.49		
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.06	103	2.00	1.19		
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.23	104	6.00	2.24		
Total BTEx	<0.300	0.300	07/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	07/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	5570	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	1900	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 164 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H233826-11)

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	07/25/2023	ND	2.16	108	2.00	1.17	
Toluene*	<0.050	0.050	07/25/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.23	104	6.00	2.24	
Total BTEX	<0.300	0.300	07/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	382	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	128	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 2 (H233826-12)

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	07/25/2023	ND	2.16	108	2.00	1.17	
Toluene*	<0.050	0.050	07/25/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.23	104	6.00	2.24	
Total BTEX	<0.300	0.300	07/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	291	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	97.4	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 3 (H233826-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2023	ND	2.16	108	2.00	1.17		
Toluene*	<0.050	0.050	07/25/2023	ND	2.12	106	2.00	1.49		
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.06	103	2.00	1.19		
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.23	104	6.00	2.24		
Total BTEx	<0.300	0.300	07/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	07/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	70.0	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	23.3	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 4 (H233826-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2023	ND	2.16	108	2.00	1.17	
Toluene*	<0.050	0.050	07/25/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.23	104	6.00	2.24	
Total BTEX	<0.300	0.300	07/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	154	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	63.1	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 5 (H233826-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2023	ND	2.16	108	2.00	1.17	
Toluene*	<0.050	0.050	07/25/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.23	104	6.00	2.24	
Total BTEX	<0.300	0.300	07/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	57.5	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	16.9	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 6 (H233826-16)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.16	108	2.00	1.17		
Toluene*	<0.050	0.050	07/26/2023	ND	2.12	106	2.00	1.49		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.06	103	2.00	1.19		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.23	104	6.00	2.24		
Total BTX	<0.300	0.300	07/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	07/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	3500	10.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	1260	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 7 (H233826-17)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.105	0.100	07/26/2023	ND	2.16	108	2.00	1.17	
Toluene*	5.71	0.100	07/26/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	3.46	0.100	07/26/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	42.3	0.300	07/26/2023	ND	6.23	104	6.00	2.24	
Total BTEx	51.6	0.600	07/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 227 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	07/26/2023	ND	432	108	400	3.77	QM-07

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	864	50.0	07/26/2023	ND	174	87.2	200	12.7	
DRO >C10-C28*	30700	50.0	07/26/2023	ND	223	111	200	1.56	
EXT DRO >C28-C36	7120	50.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 201 % 48.2-134

Surrogate: 1-Chlorooctadecane 699 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 8 (H233826-18)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.16	108	2.00	1.17	
Toluene*	1.01	0.050	07/26/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	0.640	0.050	07/26/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	8.34	0.150	07/26/2023	ND	6.23	104	6.00	2.24	
Total BTEX	9.99	0.300	07/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 172 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	07/26/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	437	50.0	07/27/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	13800	50.0	07/27/2023	ND	189	94.4	200	2.60	QM-07
EXT DRO >C28-C36	3520	50.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 173 % 48.2-134

Surrogate: 1-Chlorooctadecane 344 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H233826-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.16	108	2.00	1.17	
Toluene*	<0.050	0.050	07/26/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.23	104	6.00	2.24	
Total BTEX	<0.300	0.300	07/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	07/26/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H233826-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.16	108	2.00	1.17	
Toluene*	<0.050	0.050	07/26/2023	ND	2.12	106	2.00	1.49	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.23	104	6.00	2.24	
Total BTEX	<0.300	0.300	07/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	07/26/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	1070	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	381	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ 6" (H233826-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1330	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	31.2	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	16.4	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ 6" (H233826-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3400	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	1690	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	417	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ 6" (H233826-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	423	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	165	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 4 @ 6" (H233826-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 6" (H233826-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 6" (H233826-26)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ 6" (H233826-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 8 @ 6" (H233826-28)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTX	<0.300	0.300	07/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 6" (H233826-29)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 6" (H233826-30)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 6" (H233826-31)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 12 @ 6" (H233826-32)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEx	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 13 @ 6" (H233826-33)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	52.3	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	20.6	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 14 @ 6" (H233826-34)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904	
Total BTEX	<0.300	0.300	07/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 15 @ 6" (H233826-35)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	07/26/2023	ND	1.92	95.9	2.00	0.185		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.02	101	2.00	0.450		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.95	99.2	6.00	0.904		
Total BTEX	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 16 @ 6" (H233826-36)

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	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEX	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	07/26/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 17 @ 6" (H233826-37)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	183	91.3	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	189	94.4	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 18 @ 6" (H233826-38)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 19 @ 6" (H233826-39)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 20 @ 6" (H233826-40)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEx	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 21 @ 6" (H233826-41)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	07/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 22 @ 6" (H233826-42)

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	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEx	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 23 @ 6" (H233826-43)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEx	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 24 @ 4" (H233826-44)

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	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	0.318	0.050	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	0.110	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	1.34	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEX	1.77	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6240	16.0	07/26/2023	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 141 % 48.2-134

Surrogate: 1-Chlorooctadecane 354 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 25 @ 4" (H233826-45)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	15.0	1.00	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	8.88	1.00	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	111	3.00	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEx	135	6.00	07/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	4540	50.0	07/27/2023	ND	168	83.9	200	0.437		
DRO >C10-C28*	28800	50.0	07/27/2023	ND	179	89.4	200	1.25		
EXT DRO >C28-C36	4700	50.0	07/27/2023	ND						

Surrogate: 1-Chlorooctane 327 % 48.2-134

Surrogate: 1-Chlorooctadecane 678 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 26 @ 4" (H233826-46)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.913	0.500	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	22.0	0.500	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	9.92	0.500	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	122	1.50	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEX	155	3.00	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 179 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	07/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4330	50.0	07/27/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	30000	50.0	07/27/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	4860	50.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 328 % 48.2-134

Surrogate: 1-Chlorooctadecane 719 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 4" (H233826-47)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	24.0	1.00	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	12.3	1.00	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	154	3.00	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEX	191	6.00	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6110	50.0	07/27/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	34900	50.0	07/27/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	5310	50.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 407 % 48.2-134

Surrogate: 1-Chlorooctadecane 807 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 28 @ 6" (H233826-48)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	2990	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	771	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 263 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 29 @ 6" (H233826-49)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEx	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	3450	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	1230	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 201 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 30 @ 6" (H233826-50)

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	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEx	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	1930	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	737	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 215 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 31 @ 6" (H233826-51)

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	07/27/2023	ND	2.12	106	2.00	0.276	
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03	
Total BTEX	<0.300	0.300	07/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437		
DRO >C10-C28*	1920	10.0	07/26/2023	ND	179	89.4	200	1.25		
EXT DRO >C28-C36	779	10.0	07/26/2023	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 156 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 32 @ 6" (H233826-52)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3720	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	1290	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	532	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 155 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 32 @ 6" (H233826-53)

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	07/27/2023	ND	2.12	106	2.00	0.276		
Toluene*	<0.050	0.050	07/27/2023	ND	2.04	102	2.00	0.356		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.81	96.8	6.00	1.03		
Total BTEx	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	1650	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	663	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 207 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 34 @ 6" (H233826-54)

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	07/27/2023	ND	2.15	108	2.00	0.182		
Toluene*	<0.050	0.050	07/27/2023	ND	2.12	106	2.00	0.252		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.03	101	2.00	0.389		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.08	101	6.00	0.0457		
Total BTEx	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	1770	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	725	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 174 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 35 @ 6" (H233826-55)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	0.709		
Toluene*	<0.050	0.050	07/27/2023	ND	1.91	95.7	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.01	100	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.04	101	6.00	4.92		
Total BTEx	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3720	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	2850	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	1060	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 177 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 36 @ 6" (H233826-56)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	0.709		
Toluene*	<0.050	0.050	07/27/2023	ND	1.91	95.7	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.01	100	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.04	101	6.00	4.92		
Total BTEx	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	07/26/2023	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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	3340	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	1200	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 189 % 49.1-148

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Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 37 @ 6" (H233826-57)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	0.709		
Toluene*	<0.050	0.050	07/27/2023	ND	1.91	95.7	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.01	100	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.04	101	6.00	4.92		
Total BTEX	<0.300	0.300	07/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6530	16.0	07/26/2023	ND	432	108	400	3.77	QM-07	

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	07/26/2023	ND	168	83.9	200	0.437	
DRO >C10-C28*	4840	10.0	07/26/2023	ND	179	89.4	200	1.25	
EXT DRO >C28-C36	1680	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 226 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 38 @ 6" (H233826-58)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	0.709		
Toluene*	<0.050	0.050	07/27/2023	ND	1.91	95.7	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.01	100	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.04	101	6.00	4.92		
Total BTEx	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	1.01	
DRO >C10-C28*	2890	10.0	07/26/2023	ND	185	92.3	200	1.64	QM-07
EXT DRO >C28-C36	1110	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 39 @ 6" (H233826-59)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	0.709		
Toluene*	<0.050	0.050	07/27/2023	ND	1.91	95.7	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.01	100	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.04	101	6.00	4.92		
Total BTEx	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	1.01	
DRO >C10-C28*	8150	10.0	07/26/2023	ND	185	92.3	200	1.64	
EXT DRO >C28-C36	2640	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 228 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/21/2023
 Reported: 07/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 07/20/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 40 @ 6" (H233826-60)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.99	99.3	2.00	0.709		
Toluene*	<0.050	0.050	07/27/2023	ND	1.91	95.7	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.01	100	2.00	2.73		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.04	101	6.00	4.92		
Total BTEX	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6240	16.0	07/26/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	87.2	200	1.01	
DRO >C10-C28*	9550	10.0	07/26/2023	ND	185	92.3	200	1.64	
EXT DRO >C28-C36	2950	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 264 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

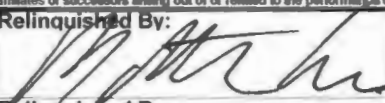
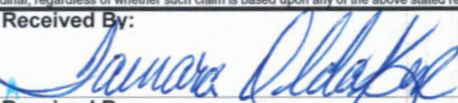


ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																									
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																									
Address: 2617 West Marland				Company: Etech																													
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																													
Phone #: (575) 264-9884 Fax #:				Address:																													
Project #: 18301 Project Owner: Mewbourne				City:																													
Project Name: Jennings Battery				State: NM Zip:																													
Project Location: Rural Lea County, NM				Phone #:																													
Sampler Name: Matthew Grieco				Fax #:																													
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP:		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME					
H233826				C		1						X								X				7/19/23				X		X		X	
1		NW1		C		1						X								X				7/19/23				X		X		X	
2		NW2		C		1						X								X				7/19/23				X		X		X	
3		NW3		C		1						X								X				7/19/23				X		X		X	
4		NW4		C		1						X								X				7/19/23				X		X		X	
5		NW5		C		1						X								X				7/20/23				X		X		X	
6		NW6		C		1						X								X				7/20/23				X		X		X	
7		NW7		C		1						X								X				7/20/23				X		X		X	
8		NW8		C		1						X								X				7/20/23				X		X		X	
9		NW9		C		1						X								X				7/20/23				X		X		X	
10		EW1		C		1						X								X				7/20/23				X		X		X	
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Relinquished By:				Date:				Received By:				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 #:																	
Delivered By: (Circle One)				#140				Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																	
Sampler - UPS - Bus - Other:				-5.8°C				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials) to																					



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 64 of 68

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: Etech																							
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 18301 Project Owner: Mewbourne				City:																							
Project Name: Jennings Battery				State: NM Zip:																							
Project Location: Rural Lea County, NM				Phone #:																							
Sampler Name: Matthew Grieco				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL	OTHER :	DATE	TIME													
H233826																											
11	SW1	C	1			X				X			7/19/23		X	X	X										
12	SW2	C	1			X				X			7/19/23		X	X	X										
13	SW3	C	1			X				X			7/19/23		X	X	X										
14	SW4	C	1			X				X			7/19/23		X	X	X										
15	SW5	C	1			X				X			7/20/23		X	X	X										
16	SW6	C	1			X				X			7/20/23		X	X	X										
17	SW7	C	1			X				X			7/20/23		X	X	X										
18	SW8	C	1			X				X			7/20/23		X	X	X										
19	WW1	C	1			X				X			7/20/23		X	X	X										
20	WW2	C	1			X				X			7/20/23		X	X	X										
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																											
Relinquished By: <i>[Signature]</i>				Date: 7/21/23		Received By: <i>[Signature]</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:															
Relinquished By:				Date: 7/25/23		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:															
Relinquished By:				Date:		Received By:				REMARKS:																	
Delivered By: (Circle One)				Time:		Sample Condition				CHECKED BY: (Initials)		Please email results and copy of CoC to pm@etechenv.com.															
Sampler - UPS - Bus - Other:				Time:		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				TS																	

FORM-006
Revision 1.0

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

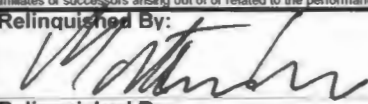

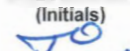


ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Lance Crenshaw				P.O. #:				<div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div>																																							
Address: 2617 West Marland				Company: Etech																																											
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																																											
Phone #: (575) 264-9884 Fax #:				Address:																																											
Project #: 18301 Project Owner: Mewbourne				City:																																											
Project Name: Jennings Battery				State: NM Zip:																																											
Project Location: Rural Lea County, NM				Phone #:																																											
Sampler Name: Matthew Grieco				Fax #:																																											
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																			
H233826				C		1						X								X						7/19/23				X		X		X													
21		FL1 @ 6"		C		1						X								X						7/19/23				X		X		X													
22		FL2 @ 6"		C		1						X								X						7/19/23				X		X		X													
23		FL3 @ 6"		C		1						X								X						7/19/23				X		X		X													
24		FL4 @ 6"		C		1						X								X						7/19/23				X		X		X													
25		FL5 @ 6"		C		1						X								X						7/19/23				X		X		X													
26		FL6 @ 6"		C		1						X								X						7/19/23				X		X		X													
27		FL7 @ 6"		C		1						X								X						7/19/23				X		X		X													
28		FL8 @ 6"		C		1						X								X						7/19/23				X		X		X													
29		FL9 @ 6"		C		1						X								X						7/19/23				X		X		X													
30		FL10 @ 6"		C		1						X								X						7/19/23				X		X		X													
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																															
Relinquished By: 				Date: 7-21-23		Received By: 				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																																	
				Time: 1258						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																																	
Relinquished By:				Date:		Received By:				REMARKS:																																					
				Time:																																											
Delivered By: (Circle One)				Date: 7-21-23		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				CHECKED BY: (Initials) 				Please email results and copy of CoC to pm@etechenv.com.																																	
Sampler - UPS - Bus - Other: - 5.8c				#140		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>																																									

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																						
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																						
Address: 2617 West Marland				Company: Etech																										
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																										
Phone #: (575) 264-9884 Fax #:				Address:																										
Project #: 18301 Project Owner: Mewbourne				City:																										
Project Name: Jennings Battery				State: NM Zip:																										
Project Location: Rural Lea County, NM				Phone #:																										
Sampler Name: Matthew Grieco				Fax #:																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.		SAMPLING																				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
H233826																														
31	FL11 @ 6"		C	1			X				X			7/19/23		X	X	X												
32	FL12 @ 6"		C	1			X				X			7/19/23		X	X	X												
33	FL13 @ 6"		C	1			X				X			7/19/23		X	X	X												
34	FL14 @ 6"		C	1			X				X			7/20/23		X	X	X												
35	FL15 @ 6"		C	1			X				X			7/20/23		X	X	X												
36	FL16 @ 6"		C	1			X				X			7/20/23		X	X	X												
37	FL17 @ 6"		C	1			X				X			7/20/23		X	X	X												
38	FL18 @ 6"		C	1			X				X			7/20/23		X	X	X												
39	FL19 @ 6"		C	1			X				X			7/20/23		X	X	X												
40	FL20 @ 6"		C	1			X				X			7/20/23		X	X	X												
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																														
Relinquished By:			Date: 7-21-23 Time: 1258		Received By:			Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No			Add'l Phone #:			REMARKS:																
Relinquished By:			Date:		Received By:			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No			Add'l Fax #:																			
Relinquished By:			Time:		Received By:																									
Delivered By: (Circle One)					#140					Sample Condition					CHECKED BY:					Please email results and copy of CoC to pm@etechenv.com.										
Sampler - UPS - Bus - Other:					-5.8c					Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>					(Initials)															
										<input type="checkbox"/> Yes <input type="checkbox"/> No					Jo.															



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 67 of 68

Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO		ANALYSIS REQUEST																															
Project Manager: Lance Crenshaw										P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																															
Address: 2617 West Marland										Company: Etech																																	
City: Hobbs State: NM Zip: 88240										Attn: Lance Crenshaw																																	
Phone #: (575) 264-9884 Fax #:										Address:																																	
Project #: 18301 Project Owner: Mewbourne										City:																																	
Project Name: Jennings Battery										State: NM Zip:																																	
Project Location: Rural Lea County, NM										Phone #:																																	
Sampler Name: Matthew Grieco										Fax #:																																	
FOR LAB USE ONLY																																											
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING																																	
				# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																	
H233826																																											
41		FL21 @ 6"		C 1						X								X		7/20/23								X		X		X											
42		FL22 @ 6"		C 1						X								X		7/20/23								X		X		X											
43		FL23 @ 6"		C 1						X								X		7/20/23								X		X		X											
44		FL24 @ 4"		C 1						X								X		7/20/23								X		X		X											
45		FL25 @ 4"		C 1						X								X		7/20/23								X		X		X											
46		FL26 @ 4"		C 1						X								X		7/20/23								X		X		X											
47		FL27 @ 4"		C 1						X								X		7/20/23								X		X		X											
48		FL28 @ 6"		C 1						X								X		7/20/23								X		X		X											
49		FL29 @ 6"		C 1						X								X		7/20/23								X		X		X											
50		FL30 @ 6"		C 1						X								X		7/20/23								X		X		X											
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																											
Relinquished By: <i>[Signature]</i>										Date: 7-21-23		Received By: <i>[Signature]</i>										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS:																					
Relinquished By:										Date:		Received By:										Please email results and copy of CoC to pm@etechenv.com.																					
										Time:																																	
Delivered By: (Circle One)										Time: -5.8c		Sample Condition: Cool Intact										CHECKED BY: (Initials) <i>[Signature]</i>																					
Sampler - UPS - Bus - Other:												<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																															

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 68 of 68

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: Etech																							
City: Hobbs State: NM Zip: 88240				Attn: Lance Crenshaw																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 18301 Project Owner: Mewbourne				City:																							
Project Name: Jennings Battery				State: NM Zip:																							
Project Location: Rural Lea County, NM				Phone #:																							
Sampler Name: Matthew Grieco				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL	OTHER :	DATE	TIME													
H233826																											
51	FL31 @ 6"	C	1			X				X			7/20/23		X	X	X										
52	FL32 @ 6"	C	1			X				X			7/20/23		X	X	X										
53	FL33 @ 6"	C	1			X				X			7/20/23		X	X	X										
54	FL34 @ 6"	C	1			X				X			7/20/23		X	X	X										
55	FL35 @ 6"	C	1			X				X			7/20/23		X	X	X										
56	FL36 @ 6"	C	1			X				X			7/20/23		X	X	X										
57	FL37 @ 6"	C	1			X				X			7/20/23		X	X	X										
58	FL38 @ 6"	C	1			X				X			7/20/23		X	X	X										
59	FL39 @ 6"	C	1			X				X			7/20/23		X	X	X										
60	FL40 @ 6"	C	1			X				X			7/20/23		X	X	X										

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Relinquished By: Relinquished By:	Date: 7-21-23 Time: 1258	Received By: Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
Delivered By: (Circle One) #140 Sampler - UPS - Bus - Other: - 5.82			CHECKED BY: (Initials)

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

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Revision 1.0

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

August 17, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JENNINGS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/14/23 8:48.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/14/2023	Sampling Date:	08/10/2023
Reported:	08/17/2023	Sampling Type:	Soil
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: FL 2 @ 1' (H234362-01)

TPH 8015M	mg/kg	Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	08/16/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	18500	100	08/16/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	5590	100	08/16/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 478 % 49.1-148

Sample ID: FL 24 @ 1' (H234362-02)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	5980	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	1820	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 156 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 25 @ 1' (H234362-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	2.14	107	2.00	2.38		
Toluene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	2.90		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.98	98.9	2.00	2.58		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.93	98.9	6.00	2.65		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 71.5-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	2230	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	586	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 26 @ 1' (H234362-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26		
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73		
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09		
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46		
Total BTEX	<0.300	0.300	08/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	3030	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	834	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 27 @ 1' (H234362-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26		
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73		
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09		
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46		
Total BTEX	<0.300	0.300	08/15/2023	ND						

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

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*	12.5	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	8670	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	2340	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 233 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 28 @ 1.5' (H234362-06)

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*	12.1	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	8460	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	2280	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 234 % 49.1-148

Sample ID: FL 29 @ 1.5' (H234362-07)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	3310	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	925	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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

Analytical Results For:

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 30 @ 1.5' (H234362-08)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	6980	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	2060	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	99.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	185 %	49.1-148							

Sample ID: FL 31 @ 1.5' (H234362-09)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	169	84.4	200	1.22	
DRO >C10-C28*	1100	10.0	08/15/2023	ND	179	89.7	200	4.69	
EXT DRO >C28-C36	267	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	91.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	99.6 %	49.1-148							

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 32 @ 1.5' (H234362-10)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	5440	10.0	08/15/2023	ND	164	82.2	200	1.22	QM-07, QR-03
EXT DRO >C28-C36	1680	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	111 %	48.2-134							
Surrogate: 1-Chlorooctadecane	203 %	49.1-148							

Sample ID: FL 33 @ 1.5' (H234362-11)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	2980	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1030	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	109 %	48.2-134							
Surrogate: 1-Chlorooctadecane	149 %	49.1-148							

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 34 @ 1.5' (H234362-12)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	5780	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1760	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	115 %	48.2-134							
Surrogate: 1-Chlorooctadecane	191 %	49.1-148							

Sample ID: FL 35 @ 1.5' (H234362-13)

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*	11.4	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	7520	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	2330	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	111 %	48.2-134							
Surrogate: 1-Chlorooctadecane	234 %	49.1-148							

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 Fax To:

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 36 @ 1.5' (H234362-14)

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*	11.2	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	7350	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	2210	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	116 %	48.2-134							
Surrogate: 1-Chlorooctadecane	224 %	49.1-148							

Sample ID: FL 37 @ 1.5' (H234362-15)

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*	10.1	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	6420	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1980	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	119 %	48.2-134							
Surrogate: 1-Chlorooctadecane	236 %	49.1-148							

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 Fax To:

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 38 @ 1.5' (H234362-16)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	4610	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1500	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	116 %	48.2-134							
Surrogate: 1-Chlorooctadecane	175 %	49.1-148							

Sample ID: FL 39 @ 1.5' (H234362-17)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	1100	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	318	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	110 %	48.2-134							
Surrogate: 1-Chlorooctadecane	118 %	49.1-148							

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Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 40 @ 1.5' (H234362-18)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	963	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	289	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	110 %	48.2-134							
Surrogate: 1-Chlorooctadecane	122 %	49.1-148							

Sample ID: EW 1B (H234362-19)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	2530	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	834	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	92.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	126 %	49.1-148							

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Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 2B (H234362-20)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	1550	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	528	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	93.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	118 %	49.1-148							

Sample ID: NW 7B (H234362-21)

TPH 8015M	mg/kg	Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	5200	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1780	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	101 %	48.2-134							
Surrogate: 1-Chlorooctadecane	171 %	49.1-148							

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 Fax To:

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 8B (H234362-22)

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*	10.9	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	5800	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1940	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 197 % 49.1-148

Sample ID: NW 9B (H234362-23)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	4710	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1620	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 166 % 49.1-148

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Received: 08/14/2023
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 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 6B (H234362-24)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	1500	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	584	10.0	08/15/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	99.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	118 %	49.1-148							

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Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 7B (H234362-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	1870	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	709	10.0	08/15/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/14/2023
 Reported: 08/17/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 8B (H234362-26)

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	5460	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	1730	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	111 %	48.2-134							
Surrogate: 1-Chlorooctadecane	181 %	49.1-148							

Sample ID: WW 2B (H234362-27)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	2160	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	705	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	109 %	48.2-134							
Surrogate: 1-Chlorooctadecane	131 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 21

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 18301 Project Owner: Mewbourne Project Name: Jennings Battery Project Location: Rural Lea County, NM Sampler Name: Matthew Grieco				BILL TO P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: NM Zip: Phone #: Fax #:				ANALYSIS REQUEST																	
FOR LAB USE ONLY Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)											
4234362				C 1		X				X		8/10/23		X											
1		FL2 @ 1'		C 1		X				X		8/10/23		X											
2		FL24 @ 1'		C 1		X				X		8/10/23		X											
3		FL25 @ 1'		C 1		X				X		8/10/23		X X											
4		FL26 @ 1'		C 1		X				X		8/10/23		X X											
5		FL27 @ 1'		C 1		X				X		8/10/23		X X											
6		FL28 @ 1.5'		C 1		X				X		8/10/23		X											
7		FL29 @ 1.5'		C 1		X				X		8/10/23		X											
8		FL30 @ 1.5'		C 1		X				X		8/10/23		X											
9		FL31 @ 1.5'		C 1		X				X		8/10/23		X											
10		FL32 @ 1.5'		C 1		X				X		8/10/23		X											

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Relinquished By: Date: 8/14/23 Time: 0848	Received By: Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Please email results and copy of CoC to pm@etechenv.com.
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -89c #140		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
CHECKED BY: (Initials) 		

FORM-006
Revision 1.0

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 21

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: Mewbourne																							
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 18301 Project Owner: Mewbourne				City:																							
Project Name: Jennings Battery				State: NM Zip:																							
Project Location: Rural Lea County, NM				Phone #:																							
Sampler Name: Matthew Grieco				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)CMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
4234302																											
11	FL33 @ 1.5'	C	1			X				X			8/10/23			X											
12	FL34 @ 1.5'	C	1			X				X			8/10/23			X											
13	FL35 @ 1.5'	C	1			X				X			8/10/23			X											
14	FL36 @ 1.5'	C	1			X				X			8/10/23			X											
15	FL37 @ 1.5'	C	1			X				X			8/10/23			X											
16	FL38 @ 1.5'	C	1			X				X			8/10/23			X											
17	FL39 @ 1.5'	C	1			X				X			8/10/23			X											
18	FL40 @ 1.5'	C	1			X				X			8/10/23			X											
19	EW1B	C	1			X				X			8/10/23			X											
20	NW2B	C	1			X				X			8/10/23			X											
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days of 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: 8/14/23		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS:																	
Relinquished By:		Time: 0848		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																			
Relinquished By:		Time:		Received By:																							
Delivered By: (Circle One) -8.9-				Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				CHECKED BY: (Initials) SG				Please email results and copy of CoC to pm@etechenv.com.															
Sampler - UPS - Bus - Other: #140				Cool <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> No <input type="checkbox"/>																							

FORM-006
Revision 1.0

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.						BILL TO							ANALYSIS REQUEST											
Project Manager: Lance Crenshaw						P.O. #:																		
Address: 2617 West Marland						Company Mewbourne																		
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																		
Phone #: (575) 264-9884		Fax #:				Address:																		
Project #: 18301		Project Owner: Mewbourne				City:																		
Project Name: Jennings Battery						State: NM Zip:																		
Project Location: Rural Lea County, NM						Phone #:																		
Sampler Name: Matthew Grieco						Fax #:																		
FOR LAB USE ONLY																								
Lab I.D.		Sample I.D.				(C/RAB OR (C)COMP. # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :			PRESERV. ACID/BASE: ICE / COOL OTHER :	SAMPLING 													
H234B62						C 1	X			X	8/10/23			Chloride	TPH (8015M)	BTEX (8021B)								
21		NW7B	C 1	X			X	8/10/23			X													
22		NW8B	C 1	X			X	8/10/23			X													
23		NW9B	C 1	X			X	8/10/23			X													
24		SW6B	C 1	X			X	8/10/23			X													
25		SW7B	C 1	X			X	8/10/23			X	X												
26		SW8B	C 1	X			X	8/10/23			X													
27		VV2B	C 1	X			X	8/10/23			X													
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Relinquished By: [Signature]						Date: 8/14/23 Time: 0848						Received By: [Signature]						Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:						
Relinquished By:						Date:						Received By:						Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:						
						Time:												REMARKS:						
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 28.9e #140						Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						CHECKED BY: (Initials) [Signature]						Please email results and copy of CoC to pm@etechenv.com.						



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

August 18, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JENNINGS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/15/23 14:52.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: EH @ SURF (H234399-01)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54	
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04	
Total BTEx	<0.300	0.300	08/16/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	186	92.9	200	0.851	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	181	90.7	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EH @ 1 FT (H234399-02)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54		
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04		
Total BTX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	186	92.9	200	0.851	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	181	90.7	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 1 @ SURF (H234399-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54	
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	186	92.9	200	0.851	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	181	90.7	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 1 @ 1 FT (H234399-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54	
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04	
Total BTEX	<0.300	0.300	08/16/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	186	92.9	200	0.851	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	181	90.7	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 2 @ SURF (H234399-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54		
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04		
Total BTEX	<0.300	0.300	08/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	186	92.9	200	0.851	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	181	90.7	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 2 @ 1 FT (H234399-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54	
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04	
Total BTEX	<0.300	0.300	08/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	186	92.9	200	0.851	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	181	90.7	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 3 @ SURF (H234399-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54	
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04	
Total BTEX	<0.300	0.300	08/16/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	186	92.9	200	0.851	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	181	90.7	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 3 @ 1 FT (H234399-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54		
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04		
Total BTEX	<0.300	0.300	08/16/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 4 @ SURF (H234399-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2023	ND	1.98	98.8	2.00	1.54		
Toluene*	<0.050	0.050	08/16/2023	ND	1.89	94.3	2.00	0.995		
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.96	98.1	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	2.04		
Total BTEX	<0.300	0.300	08/16/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 4 @ 1 FT (H234399-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	98.8	2.00	1.54		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.3	2.00	0.995		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.96	98.1	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.84	97.3	6.00	2.04		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 5 @ SURF (H234399-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	98.8	2.00	1.54		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.3	2.00	0.995		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.96	98.1	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.84	97.3	6.00	2.04		
Total BTEx	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 5 @ 1 FT (H234399-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	98.8	2.00	1.54		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.3	2.00	0.995		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.96	98.1	2.00	1.71		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.84	97.3	6.00	2.04		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 6 @ SURF (H234399-13)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 6 @ 1 FT (H234399-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: SH 7 @ SURF (H234399-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: SH 7 @ 1 FT (H234399-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEx	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 8 @ SURF (H234399-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: SH 8 @ 1 FT (H234399-18)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549	
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332	
Total BTEX	<0.300	0.300	08/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 1 @ SURF (H234399-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 1 @ 1 FT (H234399-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 2 @ SURF (H234399-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 2 @ 1 FT (H234399-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 3 @ SURF (H234399-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 3 @ 1 FT (H234399-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 4 @ SURF (H234399-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 4 @ 1 FT (H234399-26)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NH 5 @ SURF (H234399-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	190	95.0	200	6.72		
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	194	96.8	200	5.09		
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NH 5 @ 1 FT (H234399-28)

BTEx 8021B		mg/kg	Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06		
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44		
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND						

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 6 @ SURF (H234399-29)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NH 6 @ 1 FT (H234399-30)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 7 @ SURF (H234399-31)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.1 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NH 7 @ 1 FT (H234399-32)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.549		
Toluene*	<0.050	0.050	08/17/2023	ND	1.89	94.7	2.00	0.344		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.98	99.0	2.00	0.395		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.85	97.5	6.00	0.332		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 8 @ SURF (H234399-33)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTEx	<0.300	0.300	08/17/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.1 % 49.1-148

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



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Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 8 @ 1 FT (H234399-34)

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	08/17/2023	ND	2.09	105	2.00	2.28		
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62		
Total BTEX	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NH 9 @ SURF (H234399-35)

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	08/17/2023	ND	2.09	105	2.00	2.28		
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: NH 9 @ 1 FT (H234399-36)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: TT-1 @ SURF (H234399-37)

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	08/17/2023	ND	2.09	105	2.00	2.28		
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62		
Total BTEx	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	08/16/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: TT-1 @ 2 FT (H234399-38)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTEX	<0.300	0.300	08/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: TT-2 @ SURF (H234399-39)

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	08/17/2023	ND	2.09	105	2.00	2.28		
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62		
Total BTEX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	08/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: TT-2 @ 2 FT (H234399-40)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTX	<0.300	0.300	08/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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



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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 1 @ SURF (H234399-41)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTEx	<0.300	0.300	08/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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



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

Analytical Results For:

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

Received:	08/15/2023	Sampling Date:	08/15/2023
Reported:	08/18/2023	Sampling Type:	Solid
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: WH 1 @ 1 FT (H234399-42)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 2 @ SURF (H234399-43)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTEx	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 2 @ 1 FT (H234399-44)

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	08/17/2023	ND	2.09	105	2.00	2.28	
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62	
Total BTEX	<0.300	0.300	08/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: TT-3 @ SURF (H234399-45)

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	08/17/2023	ND	2.09	105	2.00	2.28		
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62		
Total BTEx	<0.300	0.300	08/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	08/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	08/17/2023	ND	202	101	200	4.06	
DRO >C10-C28*	17400	100	08/17/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	5090	100	08/17/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 471 % 49.1-148

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

Analytical Results For:

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

Received: 08/15/2023
 Reported: 08/18/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/15/2023
 Sampling Type: Solid
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: TT-3 @ 2 FT (H234399-46)

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	08/17/2023	ND	2.09	105	2.00	2.28		
Toluene*	<0.050	0.050	08/17/2023	ND	2.03	101	2.00	2.41		
Ethylbenzene*	<0.050	0.050	08/17/2023	ND	1.95	97.5	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/17/2023	ND	5.87	97.9	6.00	3.62		
Total BTX	<0.300	0.300	08/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2023	ND	182	91.2	200	4.80	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	184	92.2	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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



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

Notes and Definitions

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

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

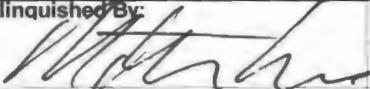

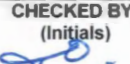
Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015N)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>											
Address: 2617 West Marland				Company: Mewbourne															
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: 18301 Project Owner: Mewbourne				City:															
Project Name: Jennings Battery				State: NM Zip:															
Project Location: Rural Lea County, NM				Phone #:															
Sampler Name: Aaron Rios				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		G/RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
								GROUNDWATER											
								WASTEWATER											
								SOIL											
								OIL											
								SLUDGE											
								OTHER:											
								ACID/BASE:											
								ICE / COOL											
								OTHER:											
										DATE		TIME							
H234399				G 1				X		X		8/15/23				X X X			
1 EH @ Surf		G 1				X		X		8/15/23				X X X					
2 EH @ 1 Ft		G 1				X		X		8/15/23				X X X					
3 SH1 @ Surf		G 1				X		X		8/15/23				X X X					
4 SH1 @ 1 Ft		G 1				X		X		8/15/23				X X X					
5 SH2 @ Surf		G 1				X		X		8/15/23				X X X					
6 SH2 @ 1 Ft		G 1				X		X		8/15/23				X X X					
7 SH3 @ Surf		G 1				X		X		8/15/23				X X X					
8 SH3 @ 1 Ft		G 1				X		X		8/15/23				X X X					
9 SH4 @ Surf		G 1				X		X		8/15/23				X X X					
10 SH4 @ 1 Ft		G 1				X		X		8/15/23				X X X					
<small>PLEASE NOTE: Etech Environmental & Safety Solutions, Inc. ("Etech") is not responsible for any claim arising from the use of the services provided by Etech. Etech's liability and client's exclusive remedy for any claim arising from the use of the services provided by Etech 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 Etech within 30 days after completion of the applicable service. In no event shall Etech 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 Etech, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																			
Relinquished By: 				Date: 8-15-23				Received By: 				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:							
				Time: 1452								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:							
Relinquished By:				Date:				Received By:				REMARKS:							
				Time:								Please email results and copy of CoC to pm@etechenv.com.							
Delivered By: (Circle One)				Sample Condition				CHECKED BY:											
Sampler - UPS - Bus - Other:				Cool Intact				(Initials)											
D.7°C				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 18301 Project Owner: Mewbourne Project Name: Jennings Battery Project Location: Rural Lea County, NM Sampler Name: Aaron Rios				BILL TO P.O. #: Company: Mewbourne Attn: Connor Walker Address: City: State: NM Zip: Phone #: Fax #:				ANALYSIS REQUEST <div style="display: flex; justify-content: space-between;"> <div> Chloride TPH (8015M) BTEX (8021B) </div> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div>																			
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)IRAB	CR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
H234399																											
11	SH5 @ Surf	G	1				X				X			8/15/23			X	X	X								
12	SH5 @ 1 Ft	G	1				X				X			8/15/23			X	X	X								
13	SH6 @ Surf	G	1				X				X			8/15/23			X	X	X								
14	SH6 @ 1 Ft	G	1				X				X			8/15/23			X	X	X								
15	SH7 @ Surf	G	1				X				X			8/15/23			X	X	X								
16	SH7 @ 1 Ft	G	1				X				X			8/15/23			X	X	X								
17	SH8 @ Surf	G	1				X				X			8/15/23			X	X	X								
18	SH8 @ 1 Ft	G	1				X				X			8/15/23			X	X	X								
19	INH1 @ Surf	G	1				X				X			8/15/23			X	X	X								
20	INH1 @ 1 Ft	G	1				X				X			8/15/23			X	X	X								

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Relinquished By: Date: 8-15-23 Time: 1452	Received By: Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Please email results and copy of CoC to pm@etechenv.com.
Relinquished By: Date: Time:	Received By: Date: Time:	

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 0.7c	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)
--	--	--------------------------------------



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

August 28, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JENNINGS BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/22/23 12:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/22/2023	Sampling Date:	08/21/2023
Reported:	08/28/2023	Sampling Type:	Soil
Project Name:	JENNINGS BATTERY	Sampling Condition:	Cool & Intact
Project Number:	18301	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - RURAL LEA CO., NM		

Sample ID: WW 2. C (H234564-01)

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	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	93.6 %	48.2-134							
Surrogate: 1-Chlorooctadecane	102 %	49.1-148							

Sample ID: EW 1. C (H234564-02)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	83.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	90.1 %	49.1-148							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 6. C (H234564-03)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	93.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	101 %	49.1-148							

Sample ID: SW 7. C (H234564-04)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	83.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	90.4 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 8. C (H234564-05)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	86.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	94.8 %	49.1-148							

Sample ID: NW 2. C (H234564-06)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	82.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	89.7 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 7. C (H234564-07)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	73.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	79.7 %	49.1-148							

Sample ID: NW 8. C (H234564-08)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	76.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	82.5 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 9. C (H234564-09)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	78.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	84.3 %	49.1-148							

Sample ID: FL #2. @ 1'6" (H234564-10)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	13.2	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	85.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	94.1 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #24. @ 1'6" (H234564-11)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	84.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	92.0 %	49.1-148							

Sample ID: FL #25. @ 1'6" (H234564-12)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	76.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	83.7 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #26. @ 1'6" (H234564-13)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	84.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	90.3 %	49.1-148							

Sample ID: FL #27. @ 1'6" (H234564-14)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	86.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	91.9 %	49.1-148							

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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #28. @ 2' (H234564-15)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	80.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	89.4 %	49.1-148							

Sample ID: FL #29. @ 2' (H234564-16)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	85.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	91.8 %	49.1-148							

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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #30. @ 2' (H234564-17)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	79.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	84.5 %	49.1-148							

Sample ID: FL #31. @ 2' (H234564-18)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	77.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	82.7 %	49.1-148							

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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #32. @ 2' (H234564-19)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	71.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	76.6 %	49.1-148							

Sample ID: FL #33. @ 2' (H234564-20)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	156	78.2	200	3.40	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.7	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					
Surrogate: 1-Chlorooctane	82.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	87.5 %	49.1-148							

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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #34. @ 2' (H234564-21)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	97.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	110 %	49.1-148							

Sample ID: FL #35. @ 2' (H234564-22)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	98.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	114 %	49.1-148							

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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #36. @ 2' (H234564-23)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	101 %	48.2-134							
Surrogate: 1-Chlorooctadecane	115 %	49.1-148							

Sample ID: FL #37. @ 2' (H234564-24)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	97.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	110 %	49.1-148							

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Analytical Results For:

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

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: JENNINGS BATTERY
 Project Number: 18301
 Project Location: MEWBOURNE - RURAL LEA CO., NM

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL #38. @ 2' (H234564-25)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	95.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	109 %	49.1-148							

Sample ID: FL #39. @ 2' (H234564-26)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	98.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	113 %	49.1-148							

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 18

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: <i>Dance Crenshaw</i>				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>Newbourne</i>																							
City: Hobbs State: NM Zip: 88240				Attn: <i>Connor Walker</i>																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: <i>18301</i> Project Owner:				City:																							
Project Name: <i>Jennings Battery</i>				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name: <i>Kevin Rios</i>				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													
<i>H234564</i>																											
<i>1</i>	<i>NW 2. C</i>	<i>X</i>				<i>X</i>				<i>X</i>			<i>8-2-23</i>		<i>X</i>												
<i>2</i>	<i>EW 1. C</i>																										
<i>3</i>	<i>SW 6. C</i>																										
<i>4</i>	<i>SW 7. C</i>																										
<i>5</i>	<i>SW 8. C</i>																										
<i>6</i>	<i>NW 2. C</i>																										
<i>7</i>	<i>NW 7. C</i>																										
<i>8</i>	<i>NW 8. C</i>																										
<i>9</i>	<i>NW 9. C</i>																										
<i>10</i>	<i>FL # 2. @ 1.6"</i>																										
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																											
Relinquished By: <i>Kevin Rios</i>				Date: <i>8-22-23</i>				Received By: <i>Samara Rios</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:											
Time: <i>1221</i>												Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:											
Relinquished By:				Date:				Received By:				REMARKS:															
Time:																											
Delivered By: (Circle One)				#140				Sample Condition				CHECKED BY:				Please email copy of COC and results to pm@etechenv.com.											
Sampler - UPS - Bus - Other:				<i>-6.8c</i>				Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				(Initials)															
								<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes				<i>W.O.</i>															
								<input type="checkbox"/> No <input type="checkbox"/> No																			



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 17 of 18

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Lance Crasshaw				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: Newbourne																						
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																						
Phone #: (575) 264-9884 Fax #:				Address:																						
Project #: 18301 Project Owner:				City:																						
Project Name: Jennings' Battery				State: Zip:																						
Project Location:				Phone #:																						
Sampler Name: Aaron #145				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												
H234564																										
11	FL# 24 @ 1' 6"	X			X					X			8-21-23													
12	FL# 25 @ 1' 6"																									
13	FL# 26 @ 1' 6"																									
14	FL# 27 @ 1' 6"																									
15	FL# 28 @ 2'																									
16	FL# 29 @ 2'																									
17	FL# 30 @ 2'																									
18	FL# 31 @ 2'																									
19	FL# 32 @ 1'																									
20	FL# 33 @ 2'																									
<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: Aaron #145				Date: 8-22-23		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:												
Relinquished By:				Time: 1221		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:												
Delivered By: (Circle One)				Date:		Sample Condition:				CHECKED BY: (Initials)				Please email copy of COC and results to pm@etechenv.com.												
Sample - UPS - Bus - Other: -6.8'				Time:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				[Signature]																



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 18

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: <i>Steve Cronshaw</i>				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>Mawburne</i>															
City: Hobbs State: NM Zip: 88240				Attn: <i>Connor Walker</i>															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: <i>18301</i> Project Owner:				City:															
Project Name: <i>Jennings Battery</i>				State: Zip:															
Project Location:				Phone #:															
Sampler Name: <i>Arvin Rios</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					
<i>H234564</i>																		
<i>21</i>	<i>FL # 34 @ 2'</i>			X				X			X			<i>8-21-23</i>		X		
<i>22</i>	<i>FL # 35 @ 2'</i>			X				X			X			<i>↓</i>		X		
<i>23</i>	<i>FL # 36 @ 2'</i>			X				X			X			<i>↓</i>		X		
<i>24</i>	<i>FL # 37 @ 2'</i>			X				X			X			<i>↓</i>		X		
<i>25</i>	<i>FL # 38 @ 2'</i>			X				X			X			<i>↓</i>		X		
<i>26</i>	<i>FL # 39 @ 2'</i>			X				X			X			<i>8-21-23</i>		X		

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>Arvin Rios</i> Date: <i>8-22-23</i> Time: <i>1221</i>	Received By: <i>Samara Aldrete</i> Date: _____ Time: _____	Phone Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>-6.8c</i>		Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) <i>✓</i>

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

Appendix E

Regulatory Correspondence

From: [Lance Crenshaw](#)
To: [Enviro, OCD, EMNRD](#); [Ben Arguijo](#); jbroom@mewbourne.com; [Connor Walker](#)
Subject: Confirmation Sampling Notification
Date: Wednesday, July 26, 2023 4:36:57 PM

This email serves as notice that Etech intends to collect excavation confirmation soil samples on July 31, 2023, from the following locations/reportable release sites:

Mewbourne Oil Co – Jennings Battery- nAPP2316570980
Mewbourne Oil Co – Santo Nino SWD Line - nAPP2316042324

If you have any questions or need any additional information, please contact Lance Crenshaw by phone (575-631-2532) or email lance@etechenv.com

Lance Crenshaw
Etech Environmental & Safety Solutions
575-631-2532

From: [Velez, Nelson, EMNRD](#)
To: [Lance Crenshaw](#)
Cc: [Connor Walker](#); jbroom@mewbourne.com; [Ben Arguijo](#); [Joel Lowry](#); [Bratcher, Michael, EMNRD](#)
Subject: Extension request for Mewbourne Jennings Battery, Incident # NAPP2316570980
Date: Monday, August 14, 2023 10:25:34 AM
Attachments: [Outlook-ntslcmd0.png](#)

Some people who received this message don't often get email from nelson.velez@emnrd.nm.gov. [Learn why this is important](#)

Good morning Lance,

Your 30-day time extension request is approved. Remediation Due date has been updated to September 29, 2023.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



previous email submittal:

From: Lance Crenshaw <lance@etechenv.com>
Sent: Friday, August 11, 2023 12:50 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Connor Walker <cwalker@mewbourne.com>; jbroom@mewbourne.com; Ben Arguijo <bena@etechenv.com>; Joel Lowry <joel@etechenv.com>
Subject: [EXTERNAL] Extension request for Mewbourne Jennings Battery

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Jennings Battery (NMOCD Incident # nAPP231657098). The site is located in Lea County. Pursuant to NMOCD regulations, a work plan or closure report is due for the Jennings Battery release on **September 2, 2023**. Etech has started excavation activities at the Jennings Battery, but slow turnaround times for laboratory analysis has prolonged this project. We are also working another release for Mewbourne, the Chile Verde Water Transfer Line, which most of our crews are dedicated to. We just want to make sure we get everything done in a timely manner and are able to meet deadlines, with multiple crews working.

In consideration of this, Etech, on behalf of Mewbourne, requests a **30 day extension** until **Monday, October 2, 2023**, to allow us to fully excavate the sites, gather excavation confirmation samples, backfill the site and prepare a site closure request.

If you have any questions or need any additional information, please do not hesitate to contact me by phone or email.

Thank you for your time and consideration.

Lance Crenshaw
Etech Environmental & Safety Solutions
575-631-2532

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 269647

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 269647
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	1/22/2024