

Incident ID	NAPP2227232943
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>181.0</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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2227232943
District RP	
Facility ID	
Application ID	

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

Printed Name: Risa CzarnikowTitle: Production TechSignature: Risa CzarnikowDate: 3-29-23email: rczarnikow@helmsoil.comTelephone: (432) 688-3727**OCD Only**Received by: Jocelyn HarimonDate: 03/30/2023

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2227232943
District RP	
Facility ID	
Application ID	

Closure

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


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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate OCD 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: Risa CzarnikowTitle: Production TechSignature: Date: 3-29-23email: rczarnikow@helmsol.comTelephone: (432) 688-3727**OCD Only**Received by: Jocelyn HarimonDate: 03/30/2023

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

Closure Approved by: Date: 09/29/2023Printed Name: Nelson VelezTitle: Environmental Specialist - Adv

OCD has accepted the groundwater determination albeit it was outside the preferential 1/2 mile radius determination. Closure report approved; release resolved.

Amended Remediation Summary and Soil Closure Request

H.L. Brown Operating, LLC Fed Com 27 004

Roosevelt County, New Mexico
Unit Letter A, Section 5, Township 8 South, Range 37 East
Latitude 33.679014 North, Longitude 103.144231 West
NMOCD Reference No. nAPP2227232943

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2617 W. Marland
Hobbs, New Mexico 88240



Zach Conder



Ben J. Arguijo



Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

	Section
PROJECT INFORMATION.....	1.0
SITE CHARACTERIZATION.....	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE.....	3.0
REMEDATION ACTIVITIES SUMMARY.....	4.0
RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN.....	5.0
SOIL CLOSURE REQUEST.....	6.0
LIMITATIONS.....	7.0
DISTRIBUTION.....	8.0

FIGURES

- Figure 1 - Topographic Map
- Figure 2 - Aerial Proximity Map
- Figure 3A - Site and Sample Location Map - Tank Battery
- Figure 3B - Site and Sample Location Map - Wellhead

TABLES

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

APPENDICES

- Appendix A - Amended Depth to Groundwater Information
- Appendix B - Field Data and Soil Profile Logs
- Appendix C - Laboratory Analytical Reports
- Appendix D - Photographic Log

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of H.L. Brown Operating, LLC, has prepared this Remediation Summary and Soil Closure Request for the release site known as the Fed Com 27 004 (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 33.679014 Longitude: -103.144231

Provided GPS are in WGS84 format.

Site Name:	Fed Com 27 004	Site Type:	0
Date Release Discovered:	9/7/2022	API # (if applicable):	30-041-20917

Unit Letter	Section	Township	Range	County
K	27	7S	37E	Roosevelt

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name KIZER MACK LIFE ESTATE)

Nature and Volume of Release

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) <u>5 bbls</u>	Volume Recovered (bbls) <u>0 bbls</u>
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input 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: Unknown. Historical release found during site inspection.		

Initial Response

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

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

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the 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?	181 Feet	
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) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on 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 Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Method	Closure Criteria	Reclamation Standard*
181 Feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

* The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas.

4.0 REMEDIATION ACTIVITIES SUMMARY

On October 21, 2022, remediation activities commenced at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria.

Upon excavating impacted soil affected above the NMOCD Closure Criteria, Etech collected twenty-three (23) confirmation soil samples. The collected soil samples were submitted to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in all of the submitted soil samples.

In addition, Etech collected eight (8) horizontal delineation soil samples representative of each cardinal direction in an effort to further characterize the horizontal extent of the release. The collected soil samples were submitted to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation standard in all of the submitted soil samples.

A site and sample location map is provided as Figure 3A and Figure 3B. A soil chemistry table is provided as Table 1. Field data and soil profile logs, if applicable, are provided as Appendix B. Laboratory analytical reports are provided as Appendix C.

The final dimensions of the excavated areas ranged from ten (10) to fifty (50) feet in length, and ranged from ten (10) to thirty (30) feet in width and six (6) inches to four (4) feet in depth. During the course of remediation activities, approximately two hundred and twenty (220) cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

5.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable.

6.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends H.L. Brown Operating, LLC, provide copies of this Remediation Summary and Soil Closure Request to the appropriate agencies and request closure be granted to the Fed Com 27 004 Site.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Remediation Summary and 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 H.L. Brown Operating, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or H.L. Brown Operating, LLC.

8.0 DISTRIBUTION

H.L. Brown Operating, LLC

300 West Louisiana

Midland, TX 79702-2237

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2

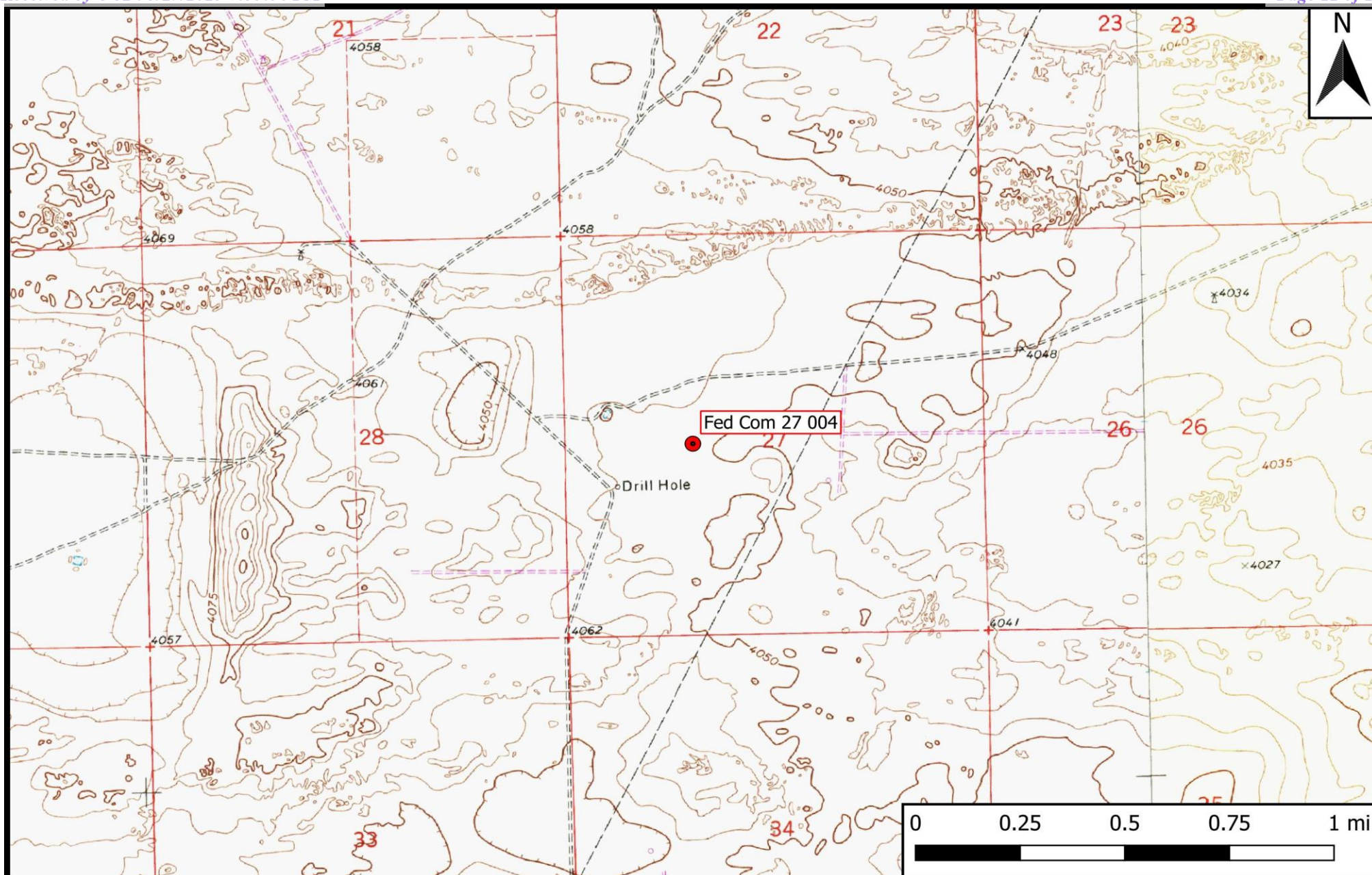
811 S. First Street

Artesia, NM 88210

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
 H. L. Brown Operating LLC
 Fed Com 27 004
 GPS: 33.679014, -103.144231
 Roosevelt County

ETECH
 Environmental & Safety Solutions, Inc.

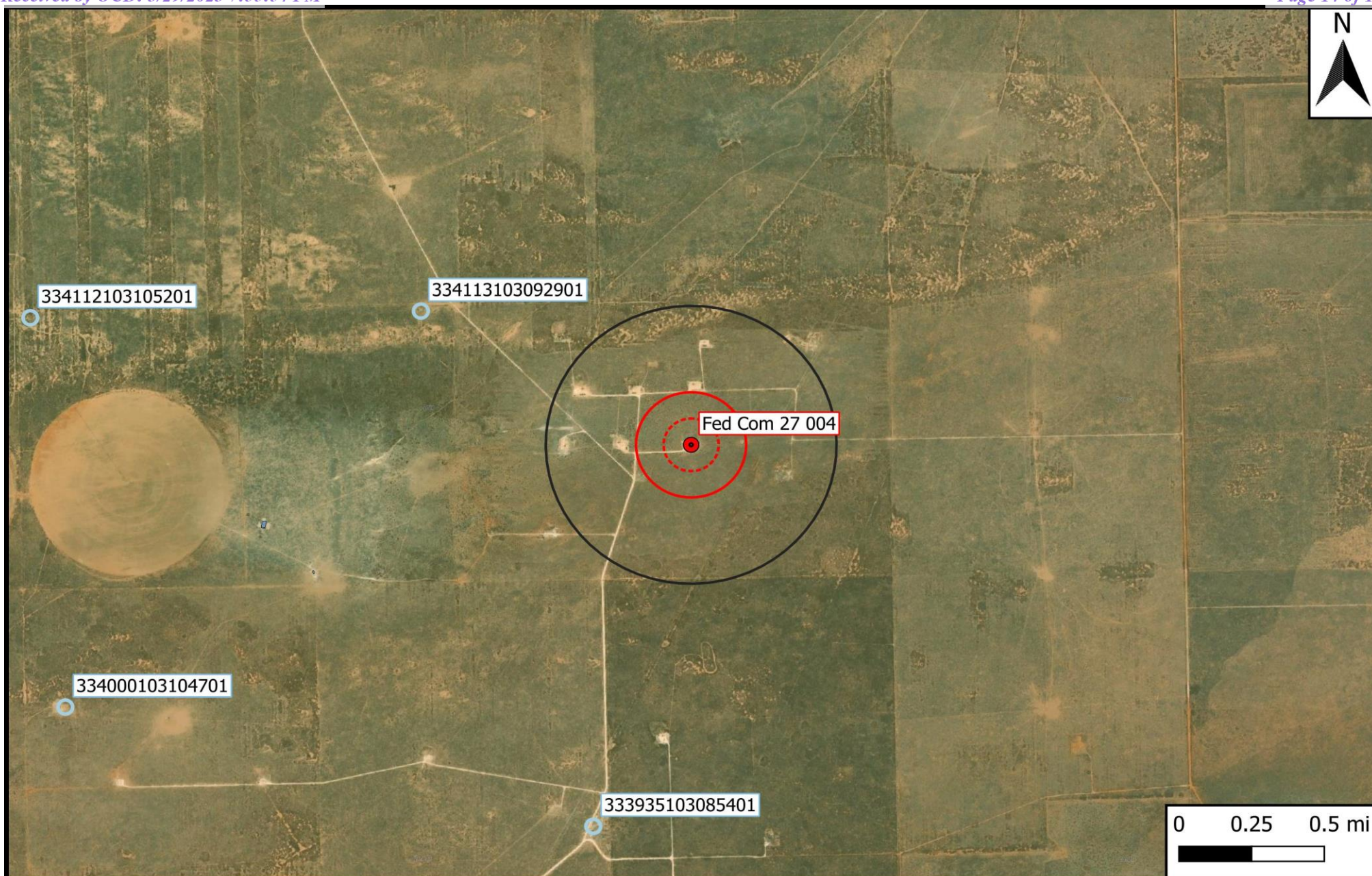
Drafted: mag

Checked: jk

Date: 10/12/22

Figure 2

Aerial Proximity Map



Legend

- | | |
|------------------------|------------------------------|
| ● Site Location | --- 500 Ft Radius |
| ○ Well - NMOSE | --- 1000 Ft Radius |
| ○ Well - USGS | --- 0.5 Mi Radius |
| — Potash Mine Workings | ■ 1% Annual Flood Chance |
| ■ Medium/High Karst | ■ Lake/Freshwater Pond |
| | ■ Emergent/Forested Wetlands |
| | ■ Riverine |

Figure 2

Aerial Proximity Map
 H. L. Brown Operating LLC
 Fed Com 27 004
 GPS: 33.679014, -103.144231
 Roosevelt County



Drafted: mag

Checked: jk

Date: 10/12/22

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
H.L. Brown Operating, LLC
Fed Com 27 004
NMOCD Ref. #: nAPP2227232943

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
EH 1 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
EH 2 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
NH 1 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH 4 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SH 1 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SH 2 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH 3 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 5 @ 1'	12/15/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 1 @ 1'	10/21/2022	1	Excavated	<0.025	0.213	<50.0	4,180	4,180	1,330	5,510	2,080
FL 1 @ 2'	11/14/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 2 @ 1'	10/21/2022	1	Excavated	<0.025	0.189	<50.0	1,770	1,770	684	2,450	1,640
FL 2 @ 2'	11/14/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 3 @ 3'	10/25/2022	3	In-Situ	<0.025	0.415	17.2	291	308	51.4	360	992
FL 4 @ 3'	10/25/2022	3	In-Situ	<0.025	0.584	25.7	515	541	56.3	597	656
FL 5 @ 3'	10/25/2022	3	In-Situ	<0.025	<0.150	<10.0	247	247	11.7	259	752
FL 6 @ 3'	10/25/2022	3	Excavated	<0.025	5.66	228	1,690	1,920	151	2,070	480
FL 6 @ 4'	11/15/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 7 @ 6"	10/25/2022	0.5	In-Situ	<0.025	<0.150	<10.0	412	412	28.2	440	2,920
EW 1	10/21/2022	0-	Excavated	<0.025	0.223	<50.0	1,560	1,560	217	1,780	2,800
EW 1 B	11/14/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
EW 2	10/25/2022	0-	Excavated	1.15	90.8	2,620	7,130	9,750	551	10,300	544
EW 2 B	11/15/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
EW 3	10/25/2022	0-	Excavated	<0.025	1.35	62.8	1,440	1,500	72.0	1,570	640
EW 3 B	11/15/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW 1	10/21/2022	0-	Excavated	<0.025	<0.150	<50.0	4,060	4,060	1,510	5,570	3,640
NW 1 B	11/14/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
NW 2	10/25/2022	0-	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	320
NW 3	10/25/2022	0-	Excavated	<0.100	18.1	734	1,880	2,610	148	2,760	960
NW 3 B	12/15/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 4	10/25/2022	0-	Excavated	<0.025	2.35	112	1,420	1,530	56.2	1,590	3,640
NW 4 B	11/15/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
SW 1	10/21/2022	0-	Excavated	<0.025	<0.150	<50.0	1,330	1,330	304	1,630	1,440
SW 1 B	11/14/2022	0-	Excavated	<0.050	<0.300	<10.0	2,340	2,340	1,210	3,550	-
SW 1 C	12/1/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
SW 2	10/25/2022	0-	Excavated	0.356	30.4	994	3,550	4,540	379	4,920	400
SW 2 B	11/15/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
SW 3	10/25/2022	0-	In-Situ	<0.025	0.503	15.3	151	166	<10.0	166	608
SW 4	10/25/2022	0-	Excavated	<0.100	1.58	148	3,370	3,520	296	3,810	304
SW 4 B	11/15/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
WW 1	10/21/2022	0-	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	240
WW 2	10/25/2022	0-	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	192

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
H.L. Brown Operating, LLC
Fed Com 27 004
NMOCD Ref. #: nAPP2227232943

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
WW 3	10/25/2022	0-	In-Situ	<0.025	0.290	<10.0	185	185	<10.0	185	1,840
WW 4	10/25/2022	0-	Excavated	1.72	119	3,960	9,770	13,700	875	14,600	896
WW 4 B	12/15/2022	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 5	10/25/2022	0-	In-Situ	<0.025	0.222	28.7	204	233	<10.0	233	1,180

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Figure 3A and Figure 3B Site and Sample Location Map

**Legend:**

- Confirmation Sample Location
- Horizontal Delineation Sample Point
- Excavated Area

Figure 3A

Site and Sample Location Map
 H.L. Brown Operating, LLC
 Fed Com 27 004
 GPS: 33.679014, -103.144231
 Roosevelt County

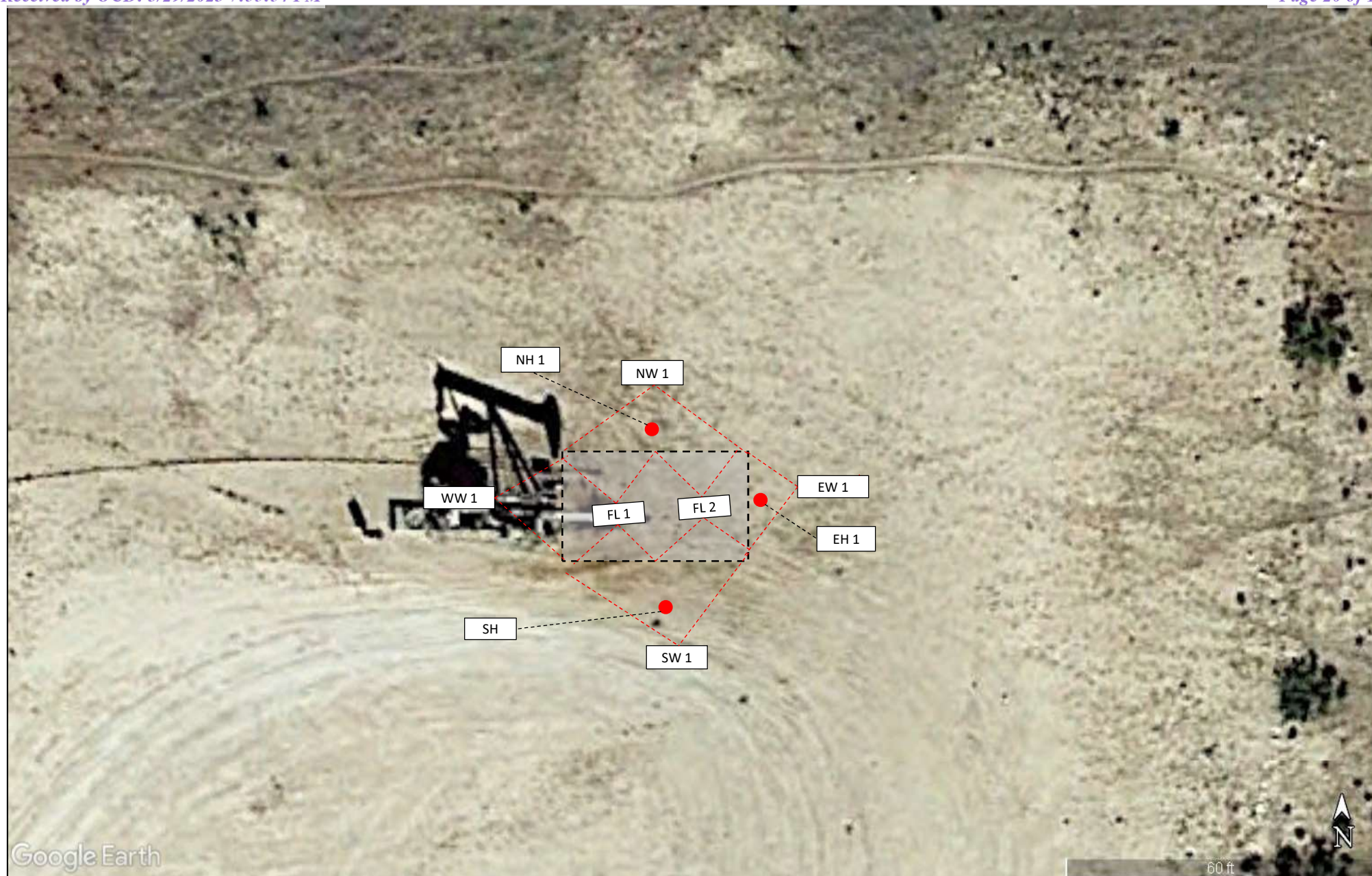


Drafted:

Checked: jwl

Date:

1/6/23

**Legend:**




-  Confirmation Sample Location
-  Horizontal Delineation Sample Point
-  Excavated Area

Figure 3B

Site and Sample Location Map
H.L. Brown Operating, LLC
Fed Com 27 004
GPS: 33.679014, -103.144231
Roosevelt County



Drafted:

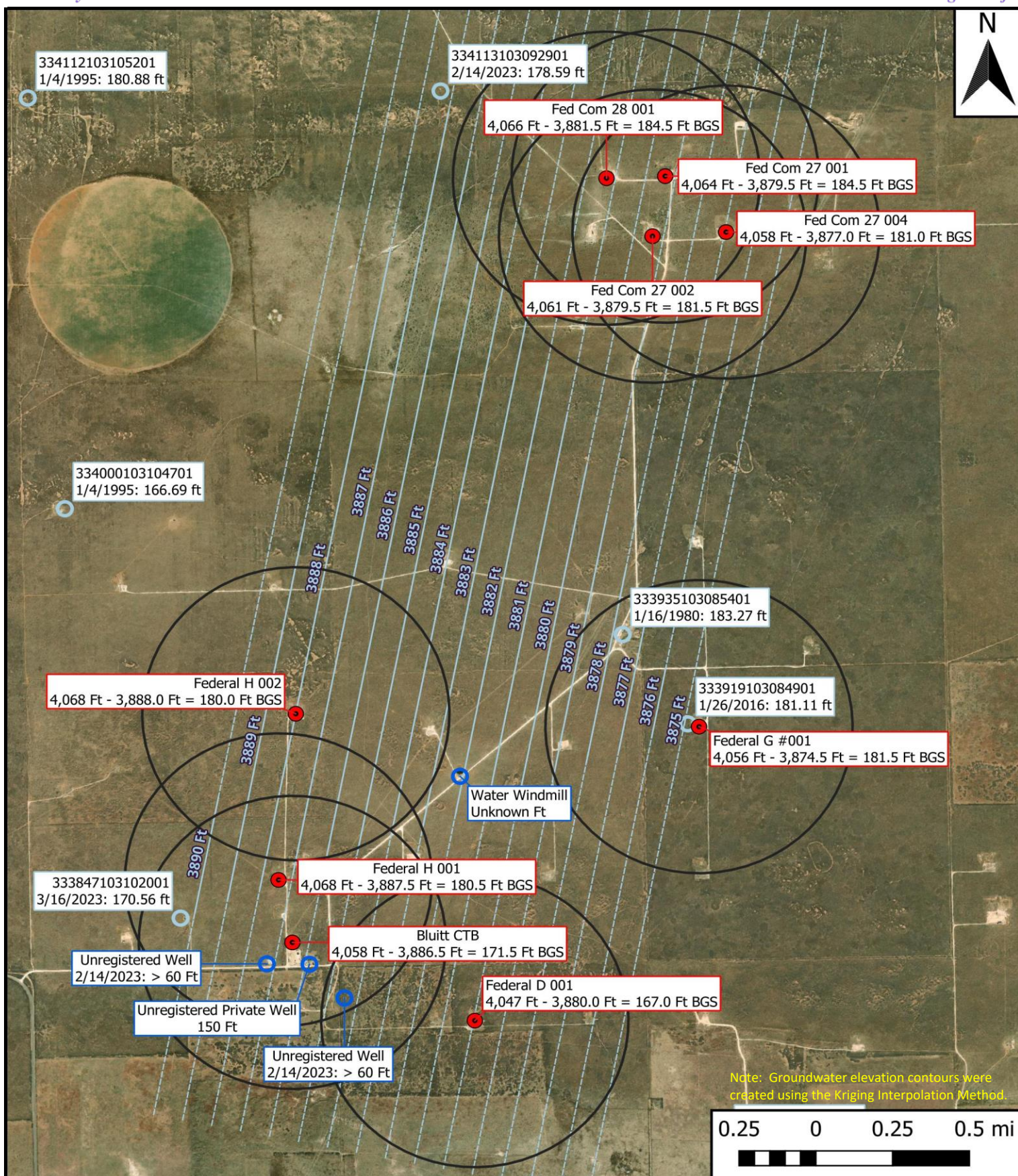
Checked: jwl

Date:

1/6/23

Appendix A

Depth to Groundwater Information



- Site Location
- Half Mile Radius
- Well - USGS
- Well - Other
- Groundwater Contours (Ft MSL)
- Extended Groundwater Contours

HL Brown Sites

Inferred Depth to Groundwater Map
H.L. Brown Operating, LLC

Map GPS: 33.66350422, -103.15426221
Roosevelt County, NM



Drafted: mag

Checked: jwl

Date: 3/17/23



Ground Water Sampling Log

Well ID: Unregistered Well

Date: 2/14/2023

Site Description/Construction Detail

Project: HL Browns Personnel: _____

Well Description/Location: Abandoned well SE of House Total Depth^a (ft bmp): N/A

Type of Well: Monitor Recovery Potable Irrigation Other

Casing Material: PVC (Steel) Other _____ Diameter: 2" 4" 6" Other 10" Screen (ft bmp): Stow Pipe

Condition of Seal: Good Poor Needs Repair Other Well Locked? Y N

Gauging Data

Static Water Level^b (ft bmp) 760 Time _____ Measure Point Description Top of casing .75 ft ass

Comments: Open @ 60 ft, did not go deeper, fear of equipment damage?

Well Purge Data

Volume Factors ^c					
Dia (in.)	2"	3"	4"	5"	6"
Gal/ft	0.163	0.367	0.653	1.020	1.469

Well Volume ((a-b) x c) = gal

Purging Volume (3 x Well Vol) = _____ gal

Well Purging Method: submersible peristaltic bailer other _____ Depth pump set (ft bmp) _____

Water Quality Indicator Parameters

[illegible]

Recording Interval: Traditional volume purge - every ½ well volume; Low flow - every 3-5 min, drawdown should not exceed 0.33ft during purging.

Total Gallons Purged

Approximate Discharge Rate (gpm): _____

Sample Data

Sample Collection Method: submersible peristaltic bailer other _____ Sample Time _____

Comments *Project name for sample labels (if abbr): _____ Duplicate Collected? Y N

Stability • pH: ± 0.1

Criteria:

- SC: $\pm 5\%$, for SC $\leq 100 \mu\text{S/cm}$; $\pm 3\%$, for SC $> 100 \mu\text{S/cm}$
- DO: $\pm 10\%$ or 0.3 mg/L (whichever is greater)
- Temp: $\pm 0.2^\circ\text{C}$ (USGS for thermistor)

Sample tubing left in well? Y N
(circle yes or no)

If so, length (ft)?



Ground Water Sampling Log

Well ID: C/n registered well

Date: 2/14/2023

Site Description/Construction Detail

Project: HL Browns Personnel:

Well Description/Location: Abandoned well Total Depth^a (ft bmp): N/A

Type of Well: Monitor Recovery Potable Irrigation Other Abandoned Livestock

Casing Material: PVC Steel Other _____ Diameter: 2" 4" 6" Other _____ Screen (ft bmp): Stone Pipe

Condition of Seal: ☒ Good ☐ Poor ☐ Needs Repair ☐ Other Well Locked? ☒ Y ☐ N

Gauging Data

Static Water Level^b (ft bmp) 760 ft Time _____ Measure Point Description Top of Casine, 1.5 ft ass

Comments: Open @ 60 ft, did not go deeper, fear of losing equipment / damage

Well Purge Data

Volume Factors ^c					
Dia (in.)	2"	3"	4"	5"	6"
Gal/ft	0.163	0.367	0.653	1.020	1.469

Well Volume ((a-b) x c) = gal

Purging Volume (3 x Well Vol) = _____ gal

Well Purging Method: submersible peristaltic bailer other _____ Depth pump set (ft bmp) _____

Water Quality Indicator Parameters

[illegible]

Recording Interval: Traditional volume purge - every ½ well volume; Low flow - every 3-5 min, drawdown should not exceed 0.33ft during purging.

Total Gallons Purged _____

Approximate Discharge Rate (gpm): _____

Sample Data

Sample Collection Method: submersible peristaltic bailer other_____ Sample Time_____

Comments *Project name for sample labels (if abbr): _____ Duplicate Collected? Y N

Stability • pH: ± 0.1

Criteria:

- SC: $\pm 5\%$, for SC $\leq 100 \mu\text{S/cm}$; $\pm 3\%$, for SC $> 100 \mu\text{S/cm}$
- DO: $\pm 10\%$ or 0.3 mg/L (whichever is greater)
- Temp: $\pm 0.2^\circ\text{C}$ (USGS for thermistor)

Sample tubing left in well? Y N
(circle yes or no)

If so, **length** (ft)?



Ground Water Sampling Log

Well ID: 333647103102001

Date: 2/14/2016

Site Description/Construction Detail

Project: HL Browns Personnel: _____

Well Description/Location: Abandoned well Total Depth^a (ft bmp): NA

Type of Well: Monitor Recovery Potable Irrigation Other

Casing Material: PVC Steel Other _____ Diameter: 2" 4" 6" Other _____ Screen (ft bmp): Stone Pipe

Condition of Seal: Good Poor Needs Repair Other Well Locked? Y N

Gauging Data

Static Water Level^b (ft bmp) 760 Time Measure Point Description

Comments: Did not go deeper, fear of equipment damage

Well Purge Data

Volume Factors ^c					
Dia (in.)	2"	3"	4"	5"	6"
Gal/ft	0.163	0.367	0.653	1.020	1.469

Well Volume ((a-b) x c) = _____ gal

Purging Volume (3 x Well Vol) = gal

Well Purging Method: submersible peristaltic bailer other _____ Depth pump set (ft bmp) _____

Water Quality Indicator Parameters

[illegible]

Recording Interval: Traditional volume purge - every ½ well volume; Low flow - every 3-5 min, drawdown should not exceed 0.33ft during purging.

Total Gallons Purged _____

Approximate Discharge Rate (gpm): _____

Sample Data

Sample Collection Method: submersible peristaltic bailer other **Sample Time**

Comments *Project name for sample labels (if abbr): _____ Duplicate Collected? Y N

Stability • pH: ± 0.1

Criteria:

- SC: $\pm 5\%$, for SC $\leq 100 \mu\text{S/cm}$; $\pm 3\%$, for SC $> 100 \mu\text{S/cm}$
- DO: $\pm 10\%$ or 0.3 mg/L (whichever is greater)
- Temp: $\pm 0.2^\circ\text{C}$ (USGS for thermistor)

Sample tubing left in well? Y N
(circle yes or no)

If so, **length** (ft)?



Ground Water Sampling Log

Well ID: 334113103092901

Date: 2/14/2023

Site Description/Construction Detail

Project: HL Browns Personnel: _____

Well Description/Location: NW of Fed Corner Total Depth^a (ft bmp): N/A

Type of Well: Monitor ☒ Recovery ☐ Potable ☐ Irrigation ☐ Other Abandoned / Livestock

Casing Material: PVC Steel Other _____ Diameter: 2" 4" 6" Other _____ Screen (ft bmp): _____

Condition of Seal:	Good	Poor	Needs Repair	Other	Well Locked?	Y	N

Gauging Data

Static Water Level^b (ft bmp) 178.59 Time _____ Measure Point Description Top of Casine

Comments:

Well Purge Data

Volume Factors ^c					
Dia (in.)	2"	3"	4"	5"	6"
Gal/ft	0.163	0.367	0.653	1.020	1.469

Well Volume ((a-b) x c) = _____ gal

Purging Volume (3 x Well Vol) = _____ gal

Well Purging Method: ☒ submersible ☐ peristaltic ☐ bailer ☐ other _____ Depth pump set (ft bmp) _____

Water Quality Indicator Parameters

[illegible]

Recording Interval: Traditional volume purge - every ½ well volume; Low flow - every 3-5 min, drawdown should not exceed 0.33ft during purging.

Total Gallons Purged _____

Approximate Discharge Rate (gpm): _____

Sample Data

Sample Collection Method: submersible peristaltic bailer other _____ Sample Time _____

Comments *Project name for sample labels (if abbr): _____ Duplicate Collected? Y N

- | | |
|-----------|---|
| Stability | • pH: ± 0.1 |
| Criteria: | <ul style="list-style-type: none"> • SC: $\pm 5\%$, for SC $\leq 100 \mu\text{S/cm}$; $\pm 3\%$, for SC $> 100 \mu\text{S/cm}$ • DO: $\pm 10\%$ or 0.3 mg/L (whichever is greater) • Temp: $\pm 0.2^\circ\text{C}$ (USGS for thermistor) |

Sample tubing left in well? Y N
(circle yes or no)

If so, **length** (ft)?



Ground Water Sampling Log

Well ID: 333847103102001

Date: 3/16/2023

Site Description/Construction Detail

Project: HL Browns Personnel: _____

Well Description/Location: Abandoned Well Total Depth^a (ft bmp): N/A

Type of Well: Monitor Recovery Potable Irrigation Other Abandoned Well, Livestock

Casing Material: PVC Steel Other _____ Diameter: 2" 4" 6" Other _____ Screen (ft bmp): Stone Pipe

Condition of Seal: Good Poor Needs Repair Other N/A Well Locked? Y (N)

Gauging Data

Static Water Level^b (ft bmp) 176.56 Time _____ Measure Point Description Top of casing ~ 2 ft sgs

Comments:

Well Purge Data

Volume Factors ^c					
Dia (in.)	2"	3"	4"	5"	6"
Gal/ft	0.163	0.367	0.653	1.020	1.469

Well Volume ((a-b) x c) = gal

Purging Volume (3 x Well Vol) = _____ gal

Well Purging Method: ☒ submersible ☐ peristaltic ☐ bailer ☐ other _____ Depth pump set (ft bmp) _____

Water Quality Indicator Parameters

[illegible]

Recording Interval: Traditional volume purge - every ½ well volume; Low flow - every 3-5 min, drawdown should not exceed 0.33ft during purging.

Total Gallons Purged

Approximate Discharge Rate (gpm):

Sample Data

Sample Collection Method: submersible peristaltic bailer other _____ Sample Time _____

Comments *Project name for sample labels (if abbr): _____ Duplicate Collected? Y N

Stability • pH: ± 0.1

Criteria:

- SC: $\pm 5\%$, for SC $\leq 100 \mu\text{S/cm}$; $\pm 3\%$, for SC $> 100 \mu\text{S/cm}$
- DO: $\pm 10\%$ or 0.3 mg/L (whichever is greater)
- Temp: $\pm 0.2^\circ\text{C}$ (USGS for thermistor)

Sample tubing left in well? Y N
(circle yes or no)

If so, length (ft)?



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

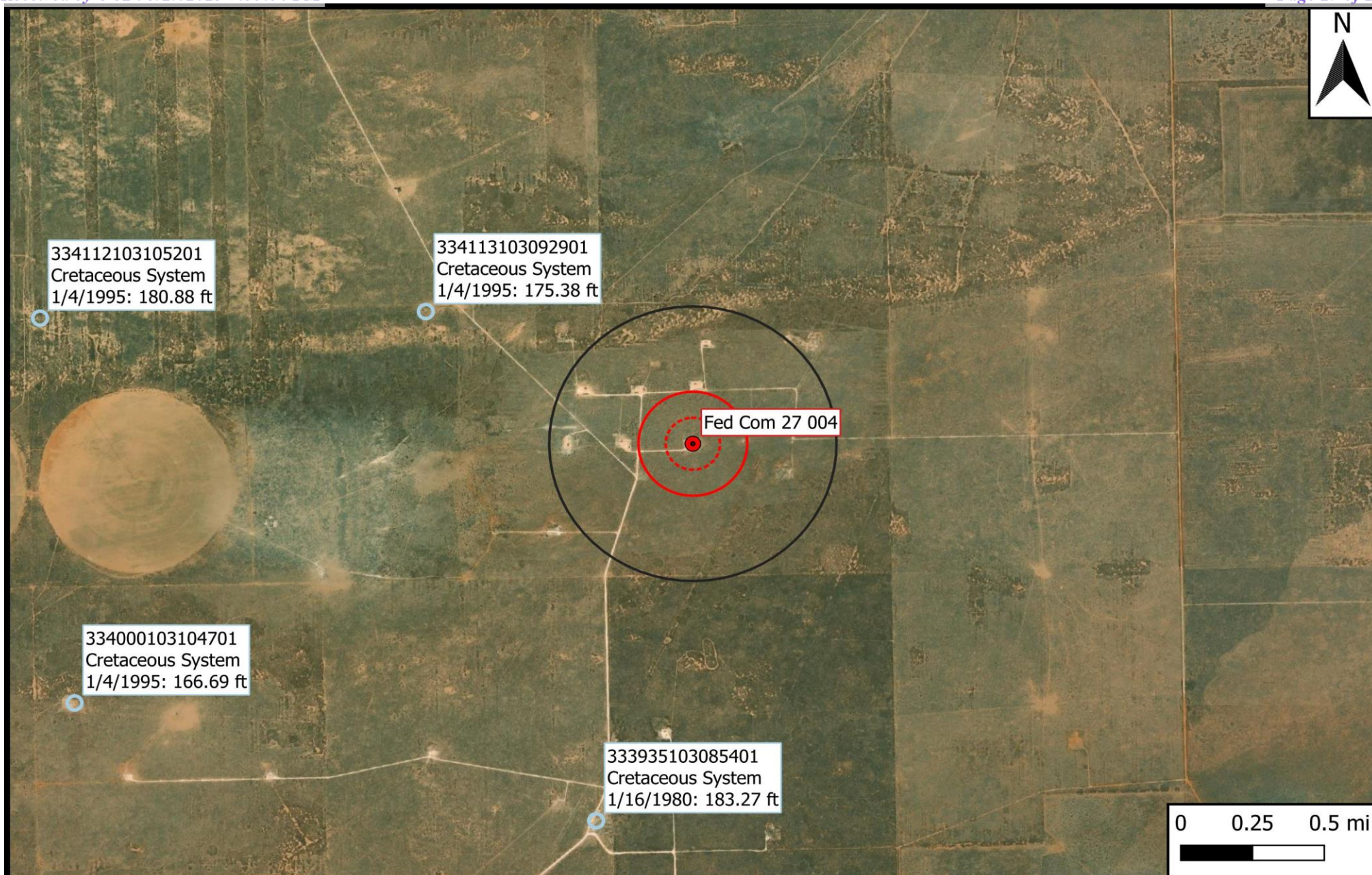
UTMNAD83 Radius Search (in meters):

Easting (X): 672029.83 **Northing (Y):** 3728111.87 **Radius:** 3220

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

10/12/22 9:04 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

**Legend**

- Site Location
- Well - USGS
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius

Figure 4

USGS Well Proximity Map
H. L. Brown Operating LLC
Fed Com 27 004
GPS: 33.679014, -103.144231
Roosevelt County



Drafted: mag

Checked: jk

Date: 10/12/22



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

[Click for News Bulletins](#)

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 333935103085401

Minimum number of levels = 1

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

USGS 333935103085401 07S.37E.33.444213

Available data for this site

Groundwater: Field measurements

GO

Roosevelt County, New Mexico

Hydrologic Unit Code 12050001

Latitude 33°39'33", Longitude 103°09'00" NAD27

Land-surface elevation 4,049.00 feet above NGVD29

The depth of the well is 208 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Cretaceous System (210CRCS) local aquifer.

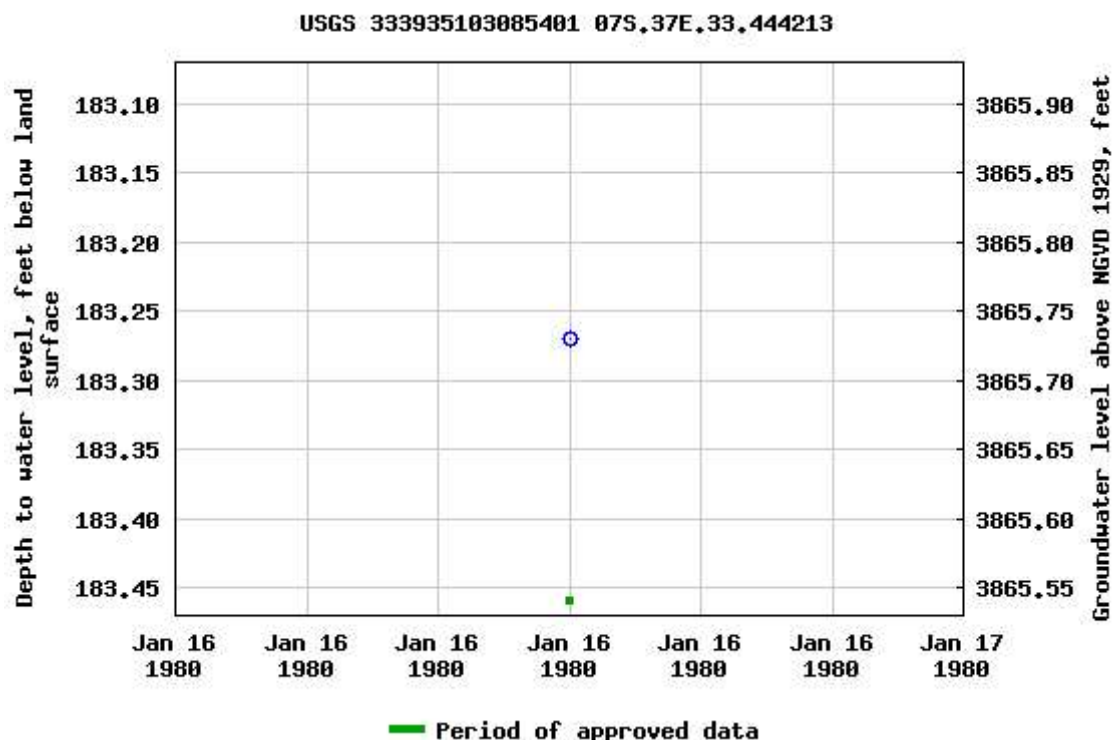
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[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: 2022-10-11 13:44:01 EDT

0.58 0.49 nadww01





[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

[Click for News Bulletins](#)

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 334000103104701

Minimum number of levels = 1

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

USGS 334000103104701 07S.37E.32.134131

Available data for this site

Groundwater: Field measurements

GO

Roosevelt County, New Mexico

Hydrologic Unit Code 12050001

Latitude 33°39'57", Longitude 103°10'53" NAD27

Land-surface elevation 4,074.00 feet above NGVD29

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Cretaceous System (210CRCS) local aquifer.

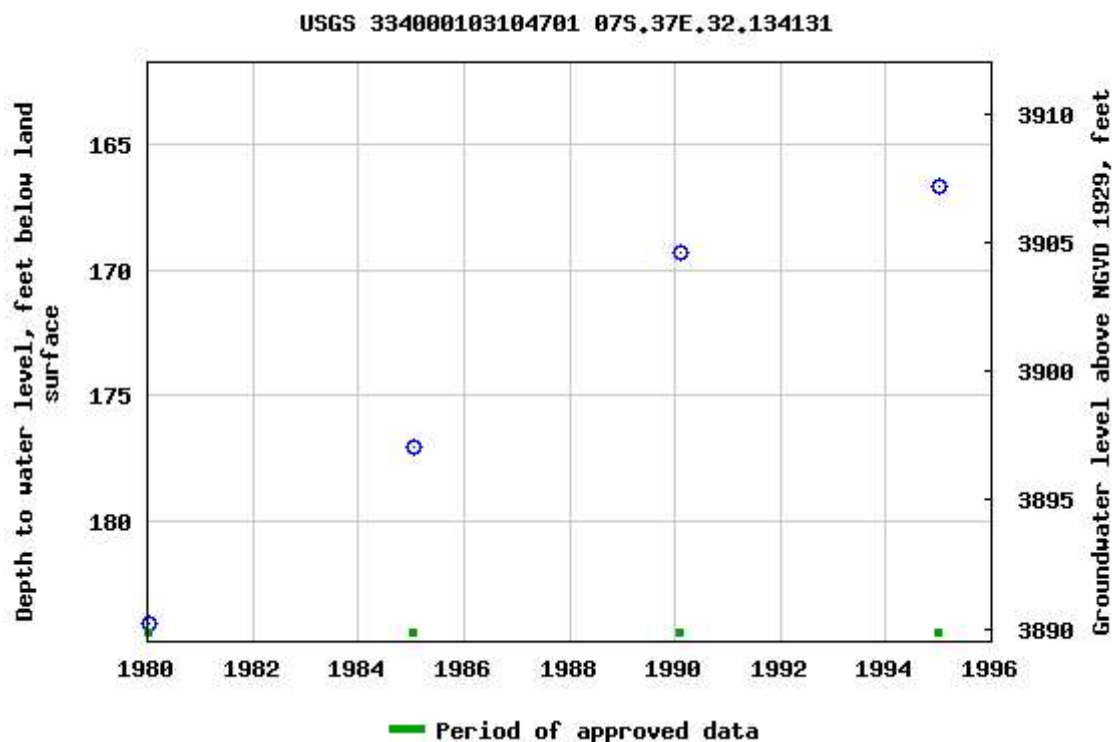
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[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: 2022-10-11 13:44:02 EDT

0.63 0.56 nadww01





[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

[Click for News Bulletins](#)

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 334112103105201

Minimum number of levels = 1

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

USGS 334112103105201 07S.37E.29.11110

Available data for this site

Groundwater: Field measurements

GO

Roosevelt County, New Mexico

Hydrologic Unit Code 12050001

Latitude 33°41'10", Longitude 103°10'59" NAD27

Land-surface elevation 4,082.00 feet above NGVD29

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Cretaceous System (210CRCS) local aquifer.

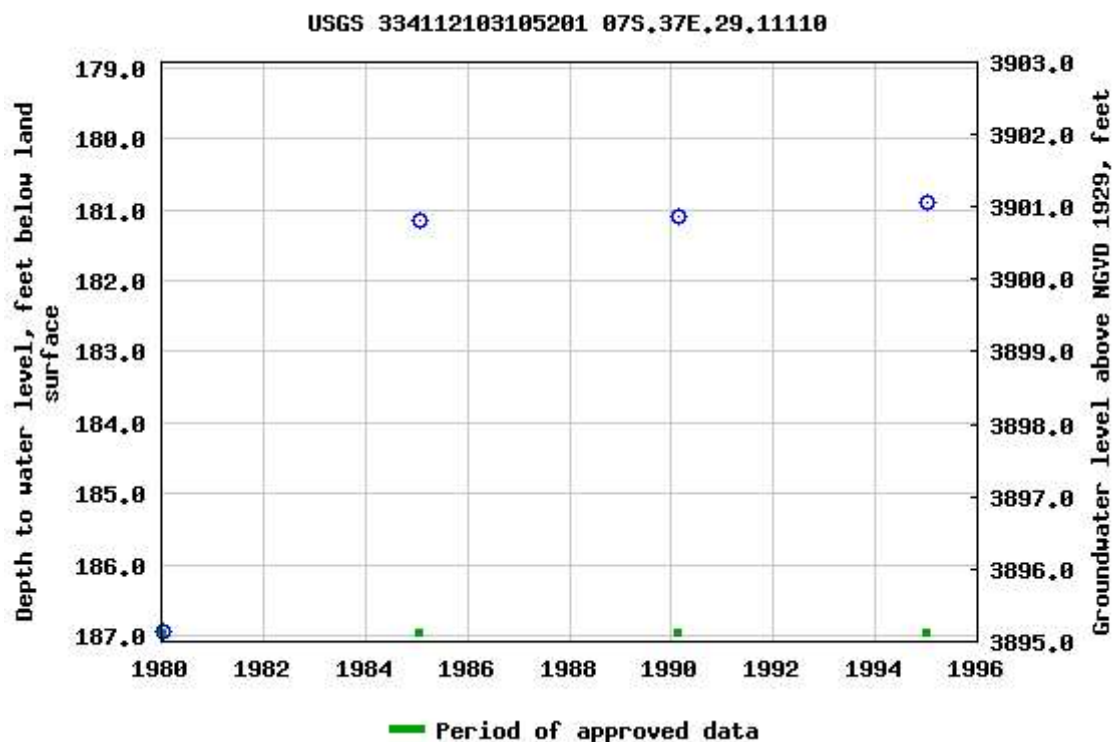
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[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: 2022-10-11 13:44:02 EDT

0.6 0.52 nadww01





[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

[Click for News Bulletins](#)

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 334113103092901

Minimum number of levels = 1

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

USGS 334113103092901 07S.37E.28.122113

Available data for this site

Groundwater: Field measurements

GO

Roosevelt County, New Mexico

Hydrologic Unit Code 12050001

Latitude 33°41'10", Longitude 103°09'35" NAD27

Land-surface elevation 4,064.00 feet above NGVD29

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Cretaceous System (210CRCS) local aquifer.

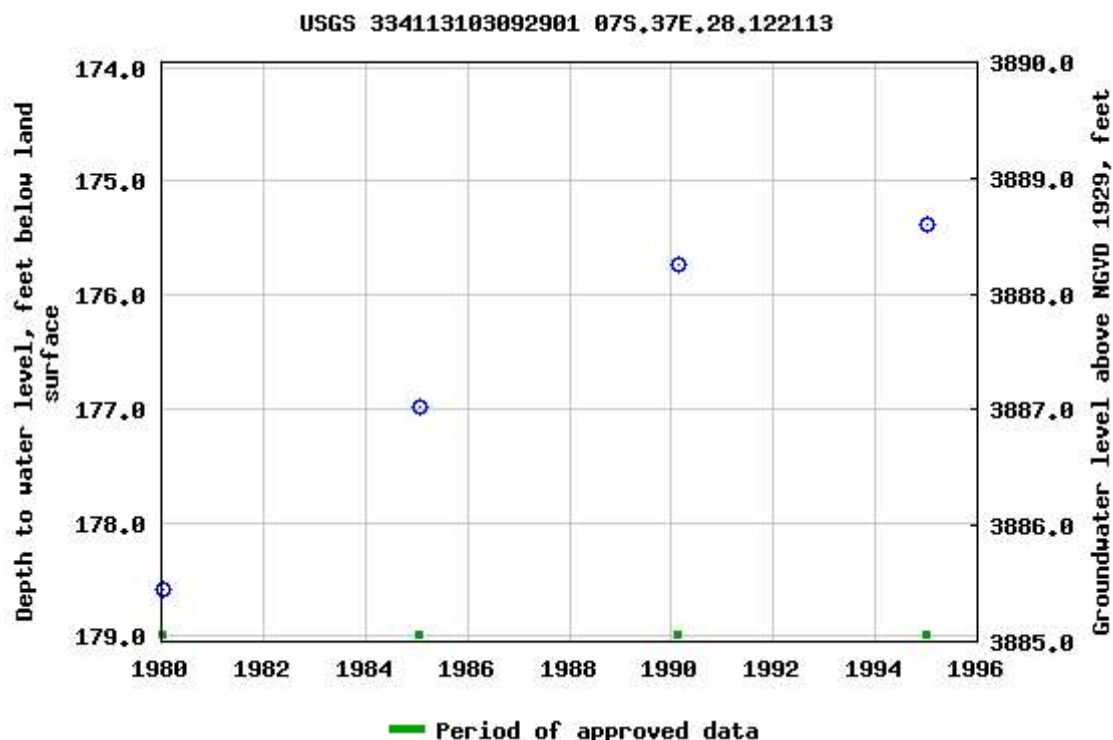
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[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: 2022-10-11 13:44:03 EDT

0.62 0.55 nadww01



Appendix B

Field Data and Soil Profile Logs

Initial Release Assessment Form

Project: Fed Com 27 004

Project Number: 16851

Clean Up Level:

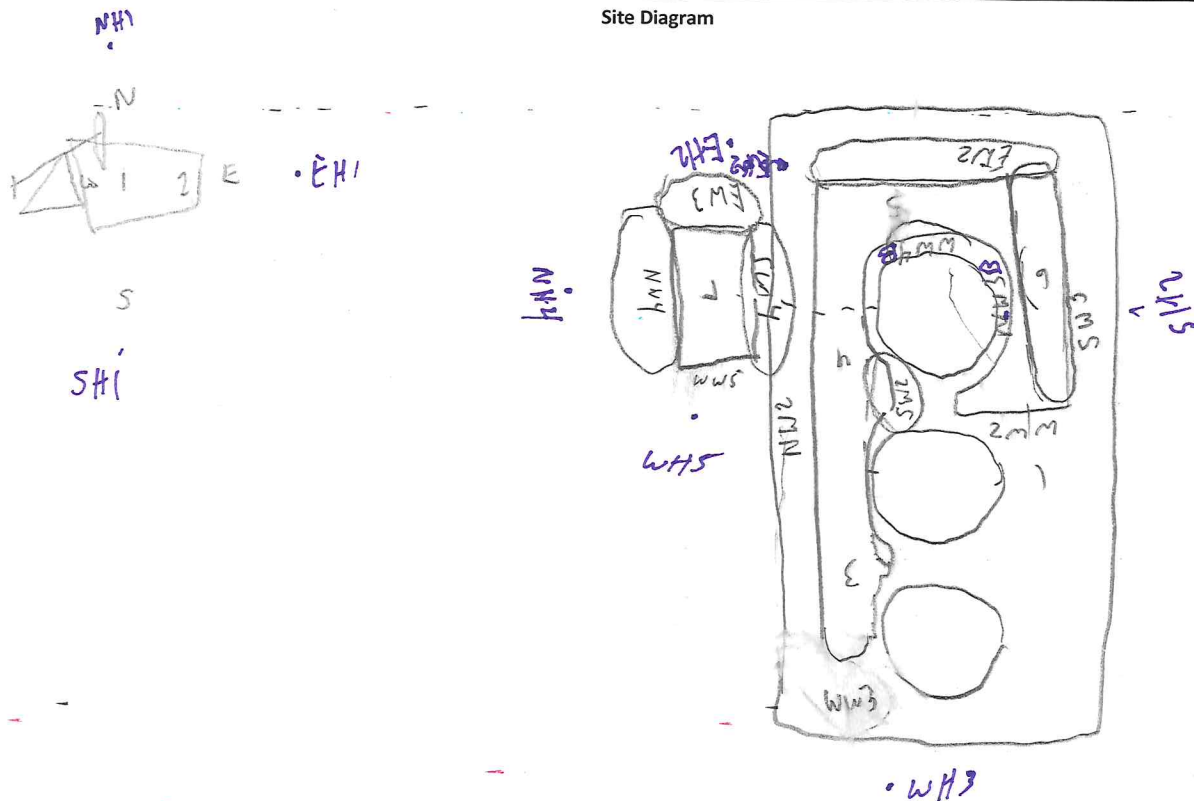
Latitude: 33.679014

Date: 10/21/22

20,000 mg/kg Cl-, 2,500 mg/kg TPH

Longitude: -103.144231

Site Diagram



Notes:

Notes:

~Length:

~Width:

~Area:

~Depth:

3-4 Representative Pictures of the Affected Area including sample locations?

Necessary Samples Field Screened and on Ice?

Sample and Field Screen Data Entered on Sample Log?

Was horizontal and vertical delineation achieved?

Yes

No

☒

☐

☒

☐

☒

☐

☒

☐

Sample Log

Date: 10-21-22

Project: Fed Com 27 004

Project Number: 16851 Latitude: 33.679014 Longitude: -103.144231

Sample ID	PID/Odor	Chloride Conc.		GPS
FL1 @ 1'	Some	6.8	1792	
FL2 @ 2'		6.4	1564	
NW1		7.4	2204	
EW1		5.4	1104	
SW1		5.6	1188	
NW1		2.2	232	
FL3 @ 3'		3.0	380	
FL4 @ 3'		4.0	628	
FL5 @ 3'		5.0	952	
FL6 @ 3'		4.2	688	
FL7 @ 6"		7.0	1916	
NW2		3.2	424	
NW3		5.0	952	
NW4		7.8	2548	
EW2		4.0	628	
EW3		6.8	1792	
SW2		3.4	468	
SW3		3.0	380	
SW4		2.0	200	
NW12		2.6	300	
NW3		5.6	1188	
NW4		7.0	1916	
NW5		5.0	952	
FL1 @ 2'				
FL2 @ 3'				
NW1B				
EW1B				
SW1B				
FL6 @ 4'				
EW2b				
SW2b				
SW4b				
EW3b				
NW4b				

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



Soil Profile

Date: 10/21/22

Project: Fed Com 27 004
Project Number: 16851 Latitude: 33.679014 Longitude: -103.144231

Depth (ft. bgs)	Description
0	Caliche / Pad Material
1	Red Sand
2	Red Sand
3	Red Sand
4	Red Sand
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	

Appendix C

Laboratory Analytical Reports



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

December 16, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FED COM #27 004

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

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NH 1 @ 1' (H225933-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.10	105	2.00	0.959	
Toluene*	<0.050	0.050	12/15/2022	ND	2.12	106	2.00	0.0563	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.07	104	2.00	1.52	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.37	106	6.00	2.40	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/16/2022	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	181	90.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	177	88.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NW 3 B (H225933-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.10	105	2.00	0.959	
Toluene*	<0.050	0.050	12/15/2022	ND	2.12	106	2.00	0.0563	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.07	104	2.00	1.52	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.37	106	6.00	2.40	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/16/2022	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	181	90.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	177	88.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.8 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NH 4 @ 1' (H225933-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2022	ND	2.10	105	2.00	0.959		
Toluene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	0.0563		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.07	104	2.00	1.52		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.37	106	6.00	2.40		
Total BTEx	<0.300	0.300	12/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	181	90.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	177	88.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: EH 1 @ 1' (H225933-04)

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	12/16/2022	ND	2.10	105	2.00	0.959		
Toluene*	<0.050	0.050	12/16/2022	ND	2.12	106	2.00	0.0563		
Ethylbenzene*	<0.050	0.050	12/16/2022	ND	2.07	104	2.00	1.52		
Total Xylenes*	<0.150	0.150	12/16/2022	ND	6.37	106	6.00	2.40		
Total BTEX	<0.300	0.300	12/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	181	90.4	200	1.80	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	177	88.7	200	0.294	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: EH 2 @ 1' (H225933-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.16	108	2.00	3.38	
Toluene*	<0.050	0.050	12/15/2022	ND	2.23	112	2.00	4.36	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.25	112	2.00	4.02	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.76	113	6.00	3.10	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	197	98.5	200	23.7	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	178	88.8	200	26.0	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 92.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SH 1 @ 1' (H225933-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.16	108	2.00	3.38	
Toluene*	<0.050	0.050	12/15/2022	ND	2.23	112	2.00	4.36	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.25	112	2.00	4.02	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.76	113	6.00	3.10	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	197	98.5	200	23.7	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	178	88.8	200	26.0	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SH 2 @ 1' (H225933-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.16	108	2.00	3.38	
Toluene*	<0.050	0.050	12/15/2022	ND	2.23	112	2.00	4.36	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.25	112	2.00	4.02	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.76	113	6.00	3.10	
Total BTEX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/16/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	197	98.5	200	23.7	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	178	88.8	200	26.0	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: WH 3 @ 1' (H225933-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2022	ND	2.16	108	2.00	3.38		
Toluene*	<0.050	0.050	12/15/2022	ND	2.23	112	2.00	4.36		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.25	112	2.00	4.02		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.76	113	6.00	3.10		
Total BTEx	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	197	98.5	200	23.7	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	178	88.8	200	26.0	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: WW 4 B (H225933-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2022	ND	2.16	108	2.00	3.38		
Toluene*	<0.050	0.050	12/15/2022	ND	2.23	112	2.00	4.36		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.25	112	2.00	4.02		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.76	113	6.00	3.10		
Total BTEX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	197	98.5	200	23.7	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	178	88.8	200	26.0	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/15/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: WH 5 @ 1' (H225933-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2022	ND	2.16	108	2.00	3.38		
Toluene*	<0.050	0.050	12/15/2022	ND	2.23	112	2.00	4.36		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.25	112	2.00	4.02		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.76	113	6.00	3.10		
Total BTEx	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/16/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2022	ND	197	98.5	200	23.7	
DRO >C10-C28*	<10.0	10.0	12/16/2022	ND	178	88.8	200	26.0	
EXT DRO >C28-C36	<10.0	10.0	12/16/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: Joel Lorry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																	
Address: 2617 W Marland				Company: H.L. Brown																					
City: Hobbs State: NM Zip: 88240				Attn:																					
Phone #: (575) 264-9884 Fax #:				Address:																					
Project #: 16851 Project Owner: H.L. Brown				City:																					
Project Name: Fed Com #27004				State: Zip:																					
Project Location: Rural Roosevelt Co., NM				Phone #:																					
Sampler Name: Miguel Ramirez				Fax #:																					
FOR LAB USE ONLY		Lab I.D. H225933		Sample I.D.		MATRIX (GRAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME															
		1 NH1 @ 1'		G		X		X		12/15/22				X X X											
		2 NW3B		C																					
		3 NH4 @ 1'		G																					
		4 EH1 @ 1'		G																					
		5 EH2 @ 1'		G																					
		6 SH1 @ 1'		G																					
		7 SH2 @ 1'		G																					
		8 WH3 @ 1'		G																					
		9 WW4B		C																					
		10 WH5 @ 1'		G																					
<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: [Signature]				Date: 12-15-22		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:											
				Time: 1512						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:											
Relinquished By:				Date:		Received By:				REMARKS: Push please Please email results and copy of CoC to pm@etechenv.com.															
				Time:																					
Delivered By: (Circle One)						Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) TO																	
Sampler - UPS - Bus - Other: 3.2c / 2.6c #113																									

FORM-006
Revision 1.0

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



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

December 09, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FED COM 27 004

Enclosed are the results of analyses for samples received by the laboratory on 12/02/22 15:50.

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

Received:	12/02/2022	Sampling Date:	12/01/2022
Reported:	12/09/2022	Sampling Type:	Soil
Project Name:	FED COM 27 004	Sampling Condition:	Cool & Intact
Project Number:	16851	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SW 1 C (H225678-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	3.71		
Toluene*	<0.050	0.050	12/09/2022	ND	2.07	103	2.00	3.98		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.02	101	2.00	4.62		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.24	104	6.00	4.62		
Total BTEX	<0.300	0.300	12/09/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2022	ND	217	108	200	0.808	
DRO >C10-C28*	<10.0	10.0	12/07/2022	ND	202	101	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	12/07/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.0 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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



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

November 22, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FED COM #27 004

Enclosed are the results of analyses for samples received by the laboratory on 11/16/22 15:55.

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, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/14/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: FL 1 @ 2' (H225428-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/14/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: FL 2 @ 2' (H225428-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/15/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: FL 6 @ 4' (H225428-03)

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	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/14/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NW 1 B (H225428-04)

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	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/15/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NW 4 B (H225428-05)

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	11/18/2022	ND	2.06	103	2.00	2.95		
Toluene*	<0.050	0.050	11/18/2022	ND	2.19	110	2.00	1.02		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.01	101	2.00	0.388		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.05	101	6.00	0.151		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/14/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: EW 1 B (H225428-06)

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	11/18/2022	ND	2.06	103	2.00	2.95		
Toluene*	<0.050	0.050	11/18/2022	ND	2.19	110	2.00	1.02		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.01	101	2.00	0.388		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.05	101	6.00	0.151		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/15/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: EW 2 B (H225428-07)

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	11/18/2022	ND	2.06	103	2.00	2.95		
Toluene*	<0.050	0.050	11/18/2022	ND	2.19	110	2.00	1.02		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.01	101	2.00	0.388		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.05	101	6.00	0.151		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.6 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/15/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: EW 3 B (H225428-08)

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	11/18/2022	ND	2.06	103	2.00	2.95		
Toluene*	<0.050	0.050	11/18/2022	ND	2.19	110	2.00	1.02		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.01	101	2.00	0.388		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.05	101	6.00	0.151		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.6 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/14/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SW 1 B (H225428-09)

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	11/18/2022	ND	2.06	103	2.00	2.95		
Toluene*	<0.050	0.050	11/18/2022	ND	2.19	110	2.00	1.02		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.01	101	2.00	0.388		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.05	101	6.00	0.151		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

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	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	2340	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	1210	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 240 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/15/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SW 2 B (H225428-10)

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	11/18/2022	ND	2.06	103	2.00	2.95		
Toluene*	<0.050	0.050	11/18/2022	ND	2.19	110	2.00	1.02		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.01	101	2.00	0.388		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.05	101	6.00	0.151		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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

Received:	11/16/2022	Sampling Date:	11/15/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	FED COM #27 004	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SW 4 B (H225428-11)

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	11/18/2022	ND	2.06	103	2.00	2.95		
Toluene*	<0.050	0.050	11/18/2022	ND	2.19	110	2.00	1.02		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.01	101	2.00	0.388		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.05	101	6.00	0.151		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	5.94	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	197	98.7	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.5 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

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



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Mike Snyder For 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

1/2

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Joe Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX (8021B)</div> </div>													
Address: 2617 W Marland				Company: H.L. Brown																	
City: Hobbs				Attn:																	
State: NM				Address:																	
Zip: 88240				City:																	
Phone #: (575) 264-9884				State:																	
Fax #:				Zip:																	
Project #: Federal #11851				Project Owner: H.L. Brown																	
Project Name: Fed com #27 004																					
Project Location: Rura/Rosene/Co., NM																					
Sampler Name: Mike Ramirez																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME											
H225428				C 1				Y		11/14/21											
1 FL 1 @ 2'				C 1				Y		11/14/21											
2 FL 2 @ 2'				C 1				Y		11/14/21											
3 FL 6 @ 4'				C 1				Y		11/15/21											
4 NW 1 B				C 1				Y		11/14/21											
5 NW 4 B				C 1				Y		11/15/21											
6 EW 1 B				C 1				Y		11/14/21											
7 EW 2 B				C 1				Y		11/15/21											
8 EW 3 B				C 1				Y		11/15/21											
9 SW 1 B				C 1				Y		11/14/21											
10 SW 2 B				C 1				Y		11/15/21											
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																					
Relinquished By: [Signature]				Date: 11-16-22				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:					
Relinquished By:				Date:				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:					
Delivered By: (Circle One)				Time:				Sample Condition:				CHECKED BY: (Initials)				Please email results and copy of CoC to pm@etechenv.com.					
Sampler - UPS - Bus - Other: 3.6°C / 3.0°C				Time:				Sample Condition:				CHECKED BY: (Initials)									

FORM-006
Revision 1.0

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

$$z/z$$
[illegible]



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

November 01, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: FED COM 22 004

Enclosed are the results of analyses for samples received by the laboratory on 10/25/22 16:08.

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

Received: 10/25/2022
 Reported: 11/01/2022
 Project Name: FED COM 22 004
 Project Number: 16857
 Project Location: RURAL ROOSEVELT CO., NM

Sampling Date: 10/21/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 1 @ 1' (H225022-01)

BTEx 8260B		mg/ kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	0.213	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTEX	0.213	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 105 % 83.7-114

Surrogate: Toluene-d8 92.9 % 95.3-107

Surrogate: 4-Bromofluorobenzene 106 % 50.9-150

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/29/2022	ND	195	97.5	200	0.374	
DRO >C10-C28*	4180	50.0	10/29/2022	ND	191	95.3	200	4.79	
EXT DRO >C28-C36	1330	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 165 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/21/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: FL 2 @ 1' (H225022-02)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	0.189	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTEx	0.189	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 114 % 83.7-114
 Surrogate: Toluene-d8 98.3 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 98.9 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	10/28/2022	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/29/2022	ND	195	97.5	200	0.374	
DRO >C10-C28*	1770	50.0	10/29/2022	ND	191	95.3	200	4.79	
EXT DRO >C28-C36	684	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 45.3-161
 Surrogate: 1-Chlorooctadecane 153 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/21/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NW 1 (H225022-03)

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22		
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12		
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46		
Total Xylenes*	<0.075	0.075	10/29/2022	ND	6.35	106	6.00	6.27		
Total BTX	<0.150	0.150	10/29/2022	ND						

Surrogate: Dibromofluoromethane 102 % 83.7-114

Surrogate: Toluene-d8 95.6 % 95.3-107

Surrogate: 4-Bromofluorobenzene 100 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	10/28/2022	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*	<50.0	50.0	10/29/2022	ND	195	97.5	200	0.374	
DRO >C10-C28*	4060	50.0	10/29/2022	ND	191	95.3	200	4.79	
EXT DRO >C28-C36	1510	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 279 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/21/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: EW 1 (H225022-04)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	0.027	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	0.196	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	0.223	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 104 % 83.7-114
 Surrogate: Toluene-d8 89.1 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 104 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/29/2022	ND	195	97.5	200	0.374	
DRO >C10-C28*	1560	50.0	10/29/2022	ND	191	95.3	200	4.79	
EXT DRO >C28-C36	217	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 45.3-161
 Surrogate: 1-Chlorooctadecane 162 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/21/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SW 1 (H225022-05)

BTEx 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	<0.075	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTEX	<0.150	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 102 % 83.7-114

Surrogate: Toluene-d8 91.4 % 95.3-107

Surrogate: 4-Bromofluorobenzene 101 % 50.9-150

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	10/28/2022	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*	<50.0	50.0	10/29/2022	ND	195	97.5	200	0.374	
DRO >C10-C28*	1330	50.0	10/29/2022	ND	191	95.3	200	4.79	
EXT DRO >C28-C36	304	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 210 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/21/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: WW 1 (H225022-06)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	<0.075	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	<0.150	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 102 % 83.7-114

Surrogate: Toluene-d8 92.7 % 95.3-107

Surrogate: 4-Bromofluorobenzene 101 % 50.9-150

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	10/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2022	ND	195	97.5	200	0.374	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	191	95.3	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.5 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: FL 3 @ 3' (H225022-07)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	0.042	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	0.373	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	0.415	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 100 % 83.7-114
 Surrogate: Toluene-d8 93.1 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 103 % 50.9-150

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.2	10.0	10/29/2022	ND	195	97.5	200	0.374	
DRO >C10-C28*	291	10.0	10/29/2022	ND	191	95.3	200	4.79	
EXT DRO >C28-C36	51.4	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 45.3-161
 Surrogate: 1-Chlorooctadecane 113 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: FL 4 @ 3' (H225022-08)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	0.059	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	0.525	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	0.584	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 101 % 83.7-114
 Surrogate: Toluene-d8 94.0 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 110 % 50.9-150

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.7	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	515	10.0	10/29/2022	ND	209	105	200	11.5	QM-07
EXT DRO >C28-C36	56.3	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161
 Surrogate: 1-Chlorooctadecane 128 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 11/01/2022
 Project Name: FED COM 22 004
 Project Number: 16857
 Project Location: RURAL ROOSEVELT CO., NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 5 @ 3' (H225022-09)

BTX 8260B			mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22		
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12		
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46		
Total Xylenes*	0.143	0.075	10/29/2022	ND	6.35	106	6.00	6.27		
Total BTX	<0.150	0.150	10/29/2022	ND						

Surrogate: Dibromofluoromethane 102 % 83.7-114
 Surrogate: Toluene-d8 93.1 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 104 % 50.9-150

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/28/2022	ND	432	108	400	0.00	
TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	247	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	11.7	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 45.3-161
 Surrogate: 1-Chlorooctadecane 107 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 11/01/2022
 Project Name: FED COM 22 004
 Project Number: 16857
 Project Location: RURAL ROOSEVELT CO., NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FL 6 @ 3' (H225022-10)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	0.128	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	0.373	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	5.16	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	5.66	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 103 % 83.7-114
 Surrogate: Toluene-d8 98.1 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 153 % 50.9-150

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/28/2022	ND	432	108	400	0.00	
TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	228	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	1690	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	151	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 133 % 45.3-161
 Surrogate: 1-Chlorooctadecane 142 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: FL 7 @ 6" (H225022-11)

BTEx 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	<0.075	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTEx	<0.150	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 102 % 83.7-114

Surrogate: Toluene-d8 91.9 % 95.3-107

Surrogate: 4-Bromofluorobenzene 102 % 50.9-150

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	412	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	28.2	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NW 2 (H225022-12)

BTEx 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	<0.075	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTEX	<0.150	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 98.5 % 83.7-114

Surrogate: Toluene-d8 93.0 % 95.3-107

Surrogate: 4-Bromofluorobenzene 98.0 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.3 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: NW 3 (H225022-13)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	0.594	0.100	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	1.25	0.100	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	16.2	0.300	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	18.1	0.600	10/29/2022	ND					

Surrogate: Dibromofluoromethane 102 % 83.7-114
 Surrogate: Toluene-d8 96.9 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 126 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	734	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	1880	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	148	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 142 % 45.3-161
 Surrogate: 1-Chlorooctadecane 132 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 11/01/2022
 Project Name: FED COM 22 004
 Project Number: 16857
 Project Location: RURAL ROOSEVELT CO., NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NW 4 (H225022-14)

BTX 8260B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	0.118	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	0.212	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	2.02	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	2.35	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 103 % 83.7-114
 Surrogate: Toluene-d8 91.1 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 108 % 50.9-150

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	112	50.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	1420	50.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	56.2	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161
 Surrogate: 1-Chlorooctadecane 171 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 11/01/2022
 Project Name: FED COM 22 004
 Project Number: 16857
 Project Location: RURAL ROOSEVELT CO., NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 2 (H225022-15)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.15	0.250	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	11.4	0.250	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	7.86	0.250	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	70.4	0.750	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	90.8	1.50	10/29/2022	ND					

Surrogate: Dibromofluoromethane 99.3 % 83.7-114
 Surrogate: Toluene-d8 101 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 124 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/28/2022	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*	2620	50.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	7130	50.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	551	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 348 % 45.3-161
 Surrogate: 1-Chlorooctadecane 376 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: EW 3 (H225022-16)

BTX 8260B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	0.046	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	0.100	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	1.20	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	1.35	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 106 % 83.7-114
 Surrogate: Toluene-d8 91.9 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 116 % 50.9-150

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	62.8	50.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	1440	50.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	72.0	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 45.3-161
 Surrogate: 1-Chlorooctadecane 138 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SW 2 (H225022-17)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.356	0.100	10/31/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	3.04	0.100	10/31/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	3.24	0.100	10/31/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	23.7	0.300	10/31/2022	ND	6.35	106	6.00	6.27	
Total BTX	30.4	0.600	10/31/2022	ND					

Surrogate: Dibromofluoromethane 103 % 86.7-111
 Surrogate: Toluene-d8 97.1 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 128 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/28/2022	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	994	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	3550	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	379	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 224 % 45.3-161
 Surrogate: 1-Chlorooctadecane 317 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: SW 3 (H225022-18)

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22		
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12		
Ethylbenzene*	0.044	0.025	10/29/2022	ND	2.03	102	2.00	6.46		
Total Xylenes*	0.459	0.075	10/29/2022	ND	6.35	106	6.00	6.27		
Total BTX	0.503	0.150	10/29/2022	ND						

Surrogate: Dibromofluoromethane 98.8 % 83.7-114
 Surrogate: Toluene-d8 96.3 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 104 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	10/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	15.3	10.0	10/29/2022	ND	197	98.5	200	5.20		
DRO >C10-C28*	151	10.0	10/29/2022	ND	209	105	200	11.5		
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND						

Surrogate: 1-Chlorooctane 102 % 45.3-161
 Surrogate: 1-Chlorooctadecane 123 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 11/01/2022
 Project Name: FED COM 22 004
 Project Number: 16857
 Project Location: RURAL ROOSEVELT CO., NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 (H225022-19)

BTX 8260B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.100	0.100	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.100	0.100	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	1.58	0.300	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	1.58	0.600	10/29/2022	ND					

Surrogate: Dibromofluoromethane 100 % 83.7-114
 Surrogate: Toluene-d8 91.9 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 116 % 50.9-150

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/28/2022	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*	148	50.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	3370	50.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	296	50.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 119 % 45.3-161
 Surrogate: 1-Chlorooctadecane 241 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 11/01/2022
 Project Name: FED COM 22 004
 Project Number: 16857
 Project Location: RURAL ROOSEVELT CO., NM

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 2 (H225022-20)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/29/2022	ND	1.97	98.5	2.00	5.22	
Toluene*	<0.025	0.025	10/29/2022	ND	1.92	95.8	2.00	7.12	
Ethylbenzene*	<0.025	0.025	10/29/2022	ND	2.03	102	2.00	6.46	
Total Xylenes*	<0.075	0.075	10/29/2022	ND	6.35	106	6.00	6.27	
Total BTX	<0.150	0.150	10/29/2022	ND					

Surrogate: Dibromofluoromethane 98.8 % 83.7-114
 Surrogate: Toluene-d8 94.6 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 99.9 % 50.9-150

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	<10.0	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 45.3-161
 Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: WW 3 (H225022-21)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/31/2022	ND	1.81	90.7	2.00	6.41	
Toluene*	0.075	0.025	10/31/2022	ND	1.75	87.7	2.00	4.90	
Ethylbenzene*	0.041	0.025	10/31/2022	ND	1.83	91.5	2.00	5.64	
Total Xylenes*	0.175	0.075	10/31/2022	ND	5.62	93.7	6.00	6.36	
Total BTX	0.290	0.150	10/31/2022	ND					

Surrogate: Dibromofluoromethane 95.4 % 86.7-111

Surrogate: Toluene-d8 92.2 % 89.3-110

Surrogate: 4-Bromofluorobenzene 100 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	10/28/2022	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	185	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: WW 4 (H225022-22)

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.72	1.00	10/31/2022	ND	1.81	90.7	2.00	6.41		
Toluene*	16.2	1.00	10/31/2022	ND	1.75	87.7	2.00	4.90		
Ethylbenzene*	12.4	1.00	10/31/2022	ND	1.83	91.5	2.00	5.64		
Total Xylenes*	88.8	3.00	10/31/2022	ND	5.62	93.7	6.00	6.36		
Total BTEX	119	6.00	10/31/2022	ND						

Surrogate: Dibromofluoromethane 95.6 % 86.7-111
 Surrogate: Toluene-d8 95.2 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 104 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/28/2022	ND	416	104	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
									S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3960	50.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	9770	50.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	875	50.0	10/29/2022	ND					
Surrogate: 1-Chlorooctane	544 %	45.3-161							
Surrogate: 1-Chlorooctadecane	707 %	46.3-178							

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/25/2022	Sampling Date:	10/25/2022
Reported:	11/01/2022	Sampling Type:	Soil
Project Name:	FED COM 22 004	Sampling Condition:	Cool & Intact
Project Number:	16857	Sample Received By:	Shalyn Rodriguez
Project Location:	RURAL ROOSEVELT CO., NM		

Sample ID: WW 5 (H225022-23)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/31/2022	ND	1.81	90.7	2.00	6.41	
Toluene*	0.030	0.025	10/31/2022	ND	1.75	87.7	2.00	4.90	
Ethylbenzene*	0.028	0.025	10/31/2022	ND	1.83	91.5	2.00	5.64	
Total Xylenes*	0.164	0.075	10/31/2022	ND	5.62	93.7	6.00	6.36	
Total BTX	0.222	0.150	10/31/2022	ND					

Surrogate: Dibromofluoromethane 101 % 86.7-111
 Surrogate: Toluene-d8 88.1 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 104 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	10/28/2022	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	28.7	10.0	10/29/2022	ND	197	98.5	200	5.20	
DRO >C10-C28*	204	10.0	10/29/2022	ND	209	105	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	10/29/2022	ND					

Surrogate: 1-Chlorooctane 76.4 % 45.3-161
 Surrogate: 1-Chlorooctadecane 92.0 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-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-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & safety solutions
Project Manager: Joel Lowry
Address: 2617 W. Marland
City: Hobbs State: NM Zip: 88240
Phone #: 575-264-9884 Fax #: ✓
Project #: 16857 Project Owner: H.L. Brown
Project Name: Fed com 22 004
Project Location: Rural Roosevelt Co., NM
Sampler Name: Miguel Ramirez

BILL TO

P.O. #:
Company: H.L. Brown
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H22022

1 FL1@1'
2 FL2@1'
3 NW1
4 EW1
5 SW1
6 WW1
7 FL3@3'
8 FL4@3'
9 FL5@3'
10 FL6@3'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

MATRIX

PRESERV.

SAMPLING

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chlorides

BTEX

TPH

10-21-22

10-25-22

X

X

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:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Date:

Time:

Date:

Time:

Received By:

Received By:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Yes Yes

No No

CHECKED BY:

(Initials)

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Pm@etechenv.com

Turnaround Time:

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Yes Yes

No No

Observed Temp. °C

Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.6°C

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/3

Company Name: Etech Environmental & Safety Solutions				BILL TO				ANALYSIS REQUEST							
Project Manager: Joel Lowry				P.O. #:											
Address: 2617 W. Marland				Company: H.L. Brown											
City: Hobbs				Attn:											
Phone #: 575-264-9884				Address:											
State: NM Zip: 88240				City:											
Fax #:				State: Zip:											
Project #: 16851				Phone #:											
Project Owner: H.L. Brown				Fax #:											
Project Name: Fed com 27 004															
Project Location: Rural Roosevelt Co., NM															
Sampler Name: Miguel Ramirez															
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	PRESERV. ACID/BASE: ICE / COOL OTHER :	SAMPLING DATE TIME										
H225022						Chlorides									
11 FLT @ 6"						BTEX									
12 NW2		X		X	10/25/12	TpH									
13 NW3															
14 NW4															
15 EW2															
16 EW3															
17 SW2															
18 SW3															
19 SW4															
20 WW2															

DISCLAIMER 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 services. 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 tests 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.

Inquired By: [Signature]		Date: 10-25-22	Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Inquired By:		Time: 1608	Received By:		All Results are emailed. Please provide Email address:
Delivered By: (Circle One)		Date:	REMARKS:		
Observed Temp. °C 39.2		Corrected Temp. °C 3.3	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Thermometer ID #113 Correction Factor -0.6°C		CHECKED BY: (Initials) [Signature]		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email all corrections to pm@etechenv.com

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



CARDINAL
Laboratories

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


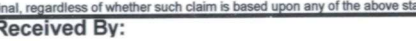
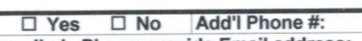
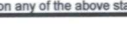
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/3

Page 28 of 28

[illegible]

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

Relinquished By: 		Date: 10/25/22 Time: 1608	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:		Date:	Received By:	REMARKS: 
		Time:		
Delivered By: (Circle One)	Observed Temp. °C 3.9°C	Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.3°C			Thermometer ID #113 Correction Factor -0.6°C
				Corrected Temp. °C

~~FORM-008 R 3.3 07/18/22~~

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

Appendix D

Photographic Log

Photographic Log



Photographic Log



Photographic Log



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

COMMENTS

Action 202054

COMMENTS

Operator: H L BROWN OPERATING, LLC P.O. Box 2237 Midland, TX 79702	OGRID: 213179
	Action Number: 202054
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
csmith	7/17/23 Returned to OCD Review, to reevaluate Depth to Water information.	7/17/2023

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 202054

CONDITIONS

Operator: H L BROWN OPERATING, LLC P.O. Box 2237 Midland, TX 79702	OGRID: 213179
	Action Number: 202054
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	OCD has accepted the groundwater determination albeit it was outside the preferential 1/2 mile radius determination. Closure report approved; release resolved.	9/29/2023