

# Remediation Summary & Soil Closure Request

## Mewbourne Oil Company Quick Draw 10 Battery

Eddy County, New Mexico  
Unit Letter "G", Section 10, Township 20 South, Range 25 East  
Latitude 32.58872 North, Longitude 104.469267 West  
NMOCD Reference No. nAPP2405854952

Prepared By:

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



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Ben J. Arguijo



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Lance Crenshaw



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### 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Quick Draw 10 Battery (henceforth, "Quick Draw"). Details of the release are summarized below:

<b>Location of Release Source</b>				
Latitude: <u>32.58872</u>		Longitude: <u>-104.469267</u>		
Provided GPS are in WGS84 format.				
Site Name: <u>Quick Draw 10 Battery</u>		Site Type: <u>Tank Battery</u>		
Date Release Discovered: <u>2/16/2024</u>		API # (if applicable): <u>N/A</u>		
Unit Letter	Section	Township	Range	County
"G"	10	20S	25E	Eddy
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Private (Name <u>Willard, Laurence David, et al.</u> )				
<b>Nature and Volume of Release</b>				
<input type="checkbox"/> Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)	
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>20</u>		Volume Recovered (bbls) <u>0</u>	
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) <u>1</u>		Volume Recovered (bbls) <u>0</u>	
<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: <u>Fire. Release originated at the flare.</u>				
<b>Initial Response</b>				
<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 New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

## 2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	Estimate or Other
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 1,000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution or church?	> 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between ½ and 1 (mi.)
Any other fresh water well or spring?	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	Between 1 and 5 (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	Between 1,000 (ft.) and ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	High
A 100-year floodplain?	Between 200 and 300 (ft.)
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Searches of databases maintained by the NMOCD, New Mexico Office of the State Engineer (NMOSE), and United States Geological Survey (USGS) were conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Quick Draw release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information.

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

## 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 Quick Draw release site are as follows:

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

\* Measured in milligrams per kilogram (mg/kg)

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

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

### 4.0 SITE ASSESSMENT

On February 26, 2024, Etech conducted an initial site assessment. During the initial site assessment, five (5) hand-augered soil bores (SP1 through SP5) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, six (6) hand-augered soil bores (EH1, EH2, EH3, WH1, WH2, and WH3) were advanced along the inferred margins of the release in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, 22 delineation soil samples (EH1@Sur, EH1@1', EH2@Sur, EH2@1', EH3@Sur, EH3@1', WH1@Sur, WH1@1', WH2@Sur, WH2@1', WH3@Sur, WH3@1', SP1@Sur, SP1@1', SP2@Sur, SP2@2', SP3@Sur, SP3@1', SP4@Sur, SP4@1', SP5@Sur, and SP5@1') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX concentrations were below the NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples. TPH and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in a majority of the submitted soil samples, with the exception of samples SP3@Sur and SP4@Sur, which exceeded the NMOCD Closure Criterion/Reclamation Standard for TPH, and samples SP1@Sur, SP1@1', SP2@Sur, and SP2@2', which exceeded the NMOCD Closure Criterion/Reclamation Standard for chloride.

Based on these laboratory analytical results, the horizontal extent of impacted soil was adequately defined in the areas characterized by sample points EH1, EH2, EH3, WH1, WH2, and WH3; and the vertical extent of impacted soil was adequately defined in the areas characterized by sample points SP3, SP4, and SP5. However, additional vertical delineation was required in the areas characterized by sample points SP1 and SP2.

The locations of the hand-augered soil borings and test trenches are depicted in Figure 3, "Sample Location Map."

### 5.0 REMEDIATION ACTIVITIES SUMMARY

Requesting a remediation plan approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
On what estimated date will (or did) the remediation commence?	3/8/2024	
On what date will (or did) the final sampling or liner inspection occur?	3/12/2024	
On what date will (or was) the remediation complete(d)?	3/14/2024	
What was the total surface area (sq. ft.) that has or will be remediated?	4,961	
What was the total volume (cy) that has or will be remediated?	640	
This remediation utilized the following processes to remediate/reduce contaminants:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	R360 Halfway Facility	
NMOCD Disposal Facility ID?	FEEM0112334510	
Summarize any additional remediation activities not included by answers above.	See below	

On March 8, 2024, remediation activities commenced at the Quick Draw release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	4,400	SP2 @ Sur	2/26/2024	0	Excavated
TPH	5,830	SP3 @ Sur	2/26/2024	0	Excavated
GRO + DRO	4,340	SP3 @ Sur	2/26/2024	0	Excavated
Benzene	0.0570	SP3 @ Sur	2/26/2024	0	Excavated
BTEX	12.7	SP3 @ Sur	2/26/2024	0	Excavated

Please reference Table 1 for additional information.

On March 7, 2024, Etech collected 35 confirmation soil samples (NW1, NW2, EW1, EW2, EW3, SW1, SW2, WW1, WW2, and FL1@6" through FL26@6") from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On March 8, 2024, Etech collected 10 confirmation soil samples (NW3, SW3, and FL27@3' through FL34@6") from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. TPH concentrations were less than the NMOCD Closure Criterion and NMOCD Reclamation Standard in a majority of the submitted soil samples, with the exception of samples NW3 and SW3. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples NW3 and SW3.

On March 12, 2024, Etech collected two (2) confirmation soil samples (NW3B and SW3B) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

The final dimensions of the excavated area were approximately 113 to 118 feet in length, 10 to 50 feet in width, and six (6) inches to 5.5 feet in depth. During the course of remediation activities, Etech transported approximately 640 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 640 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

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

## 5.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What was the total surface area (sq. ft.) reclaimed?	4,124
What was the total volume (cy) reclaimed?	248
What is the total surface area (sq. ft.) that will <i>eventually</i> be reclaimed?	837
What is the total volume (cy) that will <i>eventually</i> be reclaimed?	56.8

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 areas were contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

## 6.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

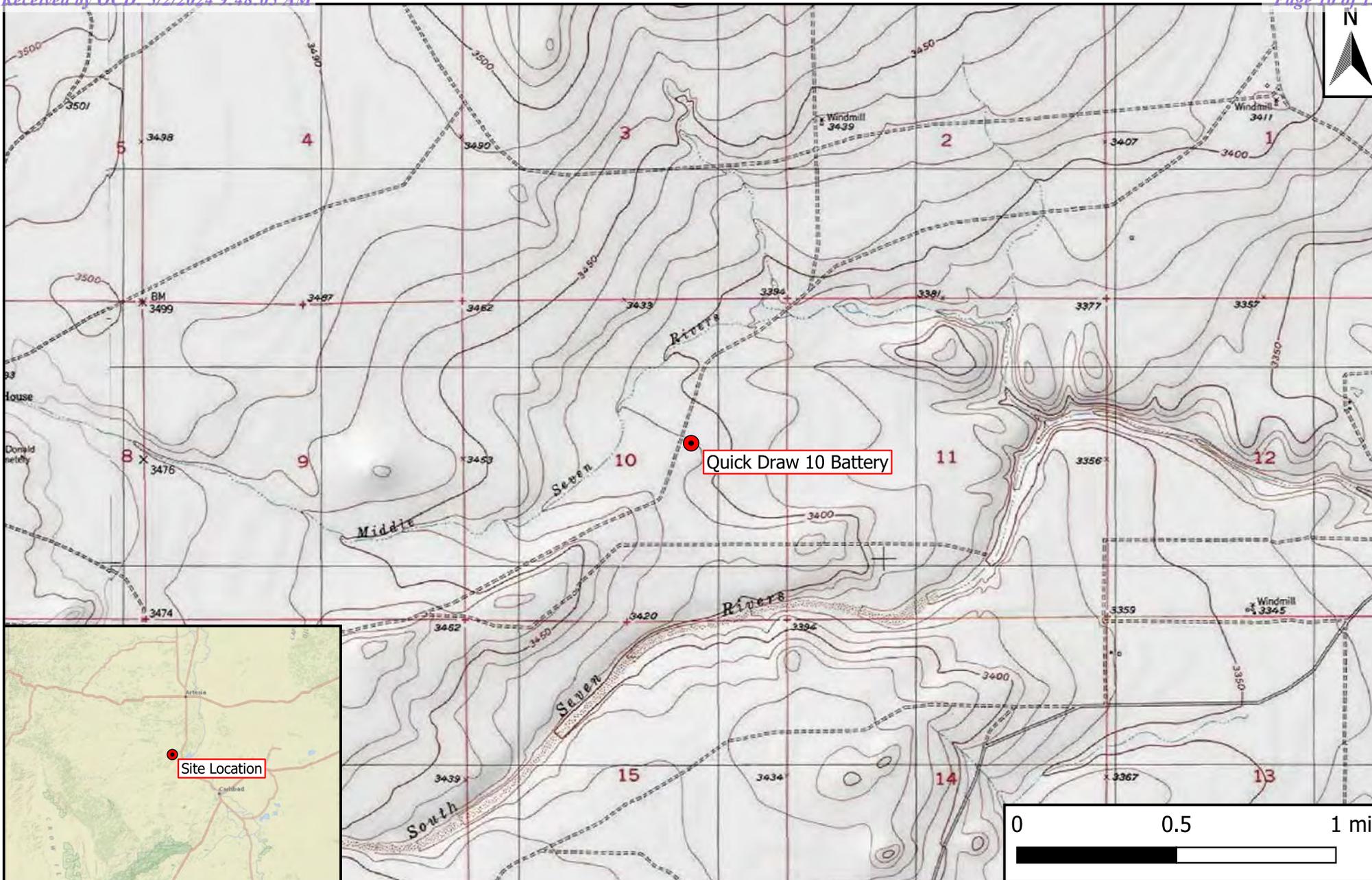
Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Quick Draw release site.

## 7.0 LIMITATIONS

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

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

# Figure 1 Site Location Map



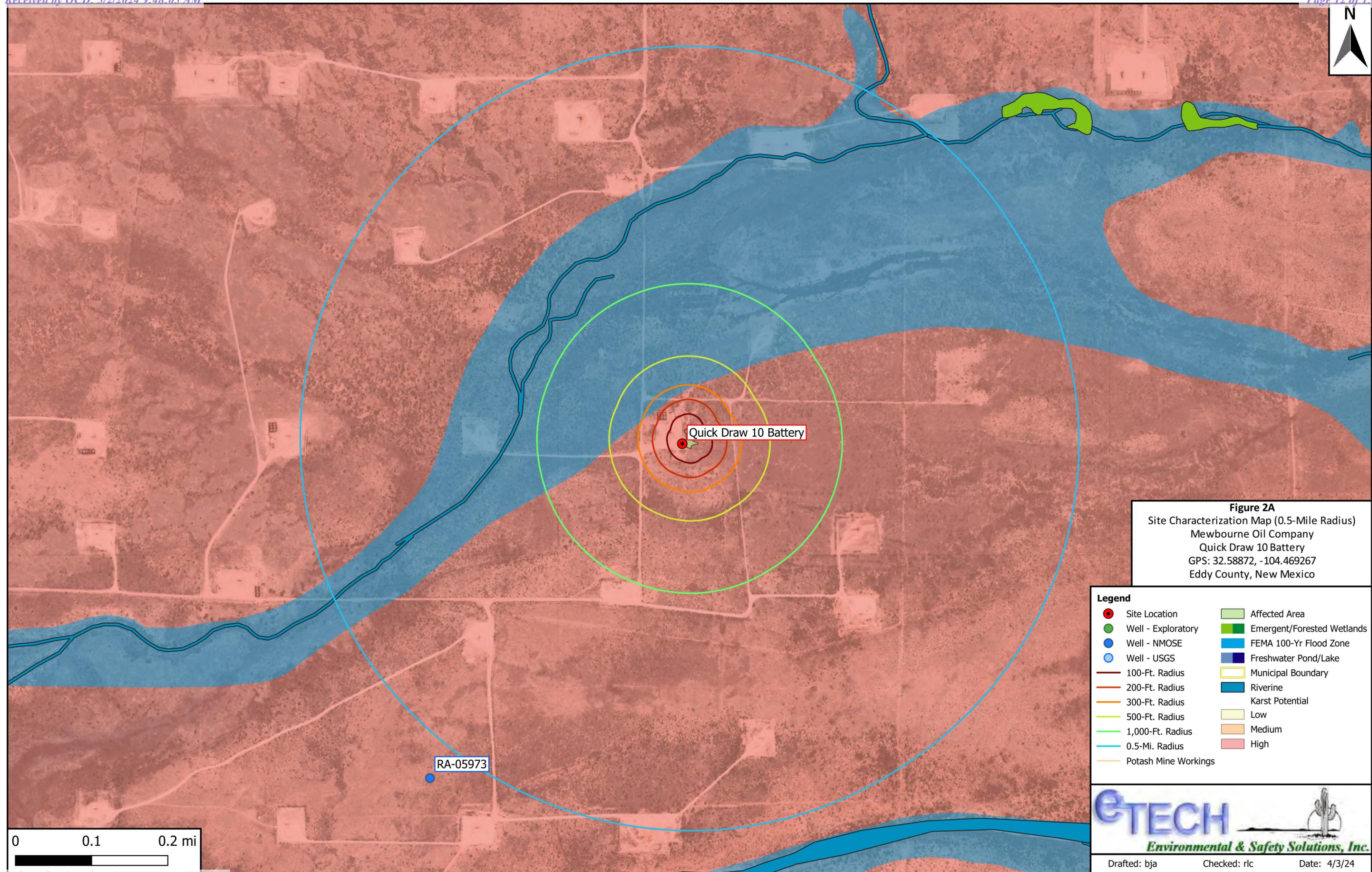
Legend  
 ● Site Location

**Figure 1**  
 Site Location Map  
 Mewbourne Oil Company  
 Quick Draw 10 Battery  
 GPS: 32.58872, -104.469267  
 Eddy County, New Mexico



## **Figures 2A & 2B**

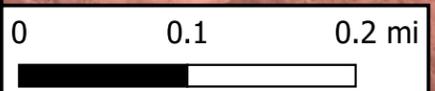
### **Site Characterization Maps**



**Figure 2A**  
 Site Characterization Map (0.5-Mile Radius)  
 Mewbourne Oil Company  
 Quick Draw 10 Battery  
 GPS: 32.58872, -104.469267  
 Eddy County, New Mexico

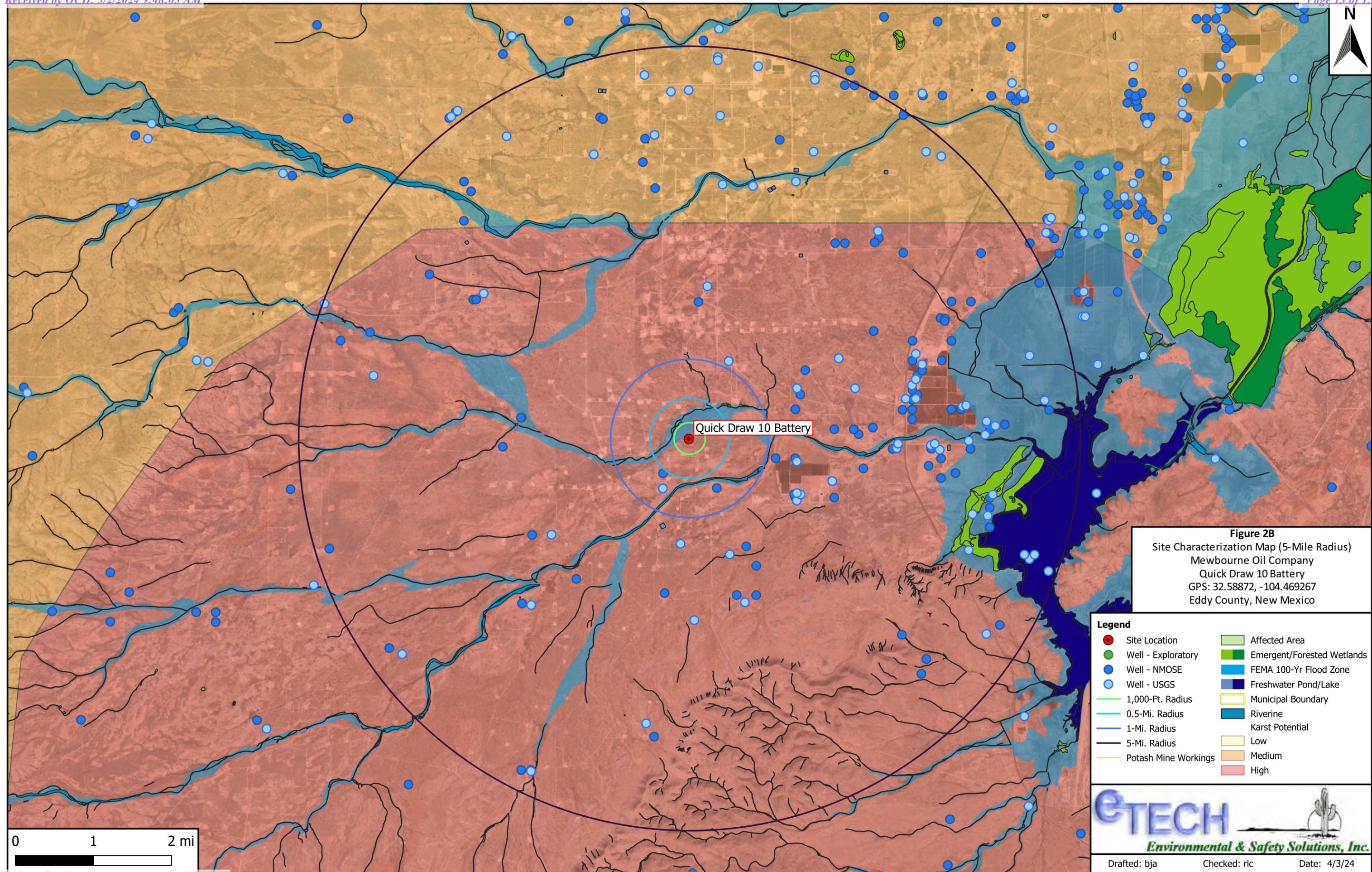
**Legend**

Site Location	Affected Area
Well - Exploratory	Emergent/Forested Wetlands
Well - NMOSE	FEMA 100-Yr Flood Zone
Well - USGS	Freshwater Pond/Lake
100-Ft. Radius	Municipal Boundary
200-Ft. Radius	Riverine
300-Ft. Radius	Karst Potential
500-Ft. Radius	Low
1,000-Ft. Radius	Medium
0.5-Mi. Radius	High
Potash Mine Workings	



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Drafted: bja      Checked: rlc      Date: 4/3/24



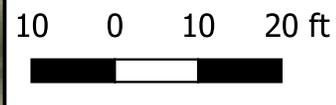
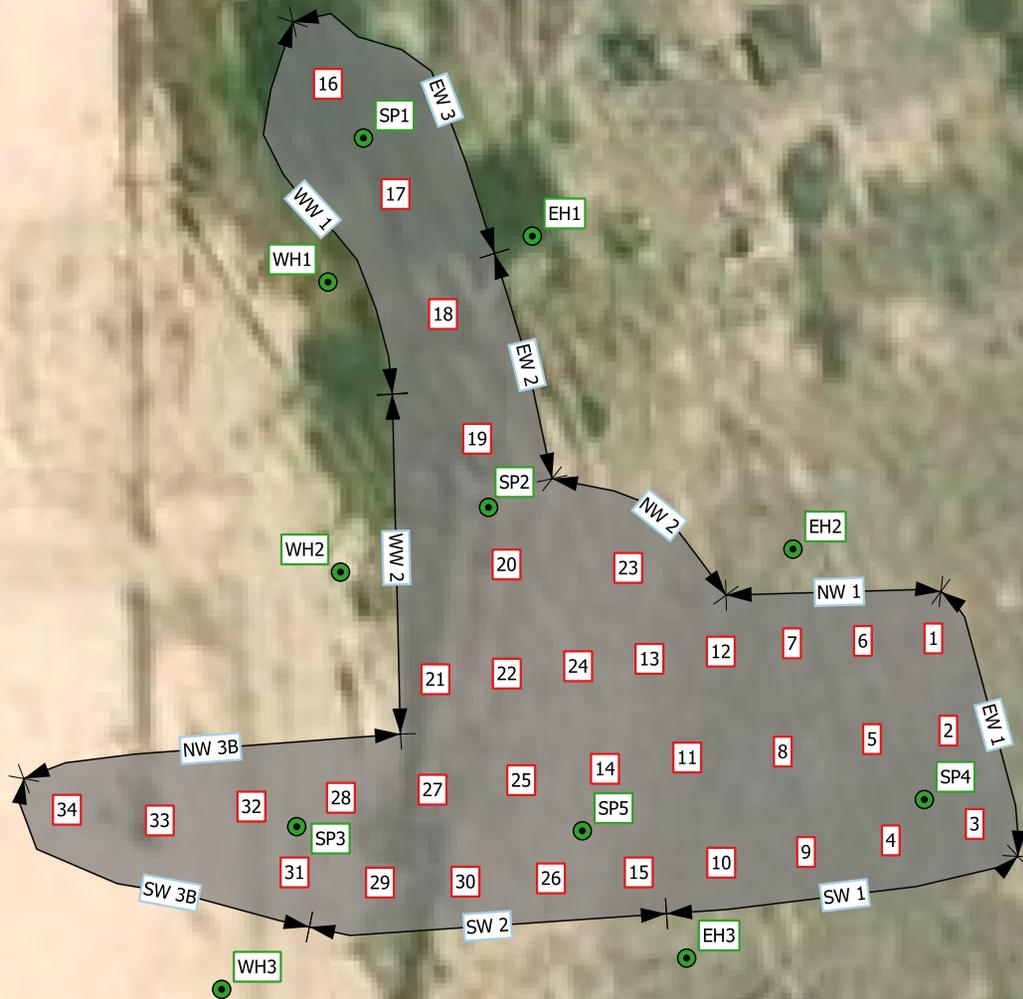
**Figure 2B**  
 Site Characterization Map (5-Mile Radius)  
 Mewbourne Oil Company  
 Quick Draw 10 Battery  
 GPS: 32.58872, -104.469267  
 Eddy County, New Mexico

- Legend**
- Site Location
  - Affected Area
  - Well - Exploratory
  - Emergent/Forested Wetlands
  - Well - NMOSE
  - FEMA 100-Yr Flood Zone
  - Well - USGS
  - Freshwater Pond/Lake
  - 1,000-Ft. Radius
  - Municipal Boundary
  - 0.5-Mi. Radius
  - Karst Potential
  - 1-Mi. Radius
  - Low
  - 5-Mi. Radius
  - Medium
  - Potash Mine Workings
  - High

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Drafted: bja      Checked: rlc      Date: 4/3/24

## Figure 3 Sample Location Map



- Legend**
- Composite Floor Sample
  - Composite Wall Sample
  - Delineation Sample Location
  - Excavation Extent

**Figure 3**  
 Sample Location Map  
 Mewbourne Oil Company  
 Quick Draw 10 Battery  
 GPS: 32.58872, -104.469267  
 Eddy County, New Mexico



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

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Mewbourne Oil Company</b> <b>Quick Draw 10 Battery</b> <b>NMOCD Ref. #: nAPP2405854952</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
<b>Delineation Samples</b>											
EH1 @ Sur	2/26/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH1 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH2 @ Sur	2/26/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH2 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EH3 @ Sur	2/26/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH3 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH1 @ Sur	2/26/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH1 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH2 @ Sur	2/26/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH2 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH3 @ Sur	2/26/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH3 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP1 @ Sur	2/26/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>4,320</b>
SP1 @ 1'	2/26/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,230</b>
SP2 @ Sur	2/26/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>4,400</b>
SP2 @ 2'	2/26/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>1,250</b>
SP3 @ Sur	2/26/2024	0	Excavated	0.0570	12.7	201	4,140	4,340	1,490	<b>5,830</b>	112
SP3 @ 1'	2/26/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
SP4 @ Sur	2/26/2024	0	Excavated	<0.050	<0.300	<10.0	184	184	79.3	<b>263</b>	304
SP4 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP5 @ Sur	2/26/2024	0	In-Situ	<0.050	<0.300	<10.0	33.2	33.2	<10.0	33.2	64.0
SP5 @ 1'	2/26/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
<b>Excavation Samples</b>											
NW 1	3/7/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW 2	3/7/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 3	3/8/2024	0-3	Excavated	<0.050	<0.300	<10.0	86.2	86.2	21.3	<b>108</b>	240
NW 3B	3/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EW 1	3/7/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 2	3/7/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 3	3/7/2024	0-5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
SW 1	3/7/2024	0-0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW 2	3/7/2024	0-.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 3	3/8/2024	0-3	Excavated	<0.050	<0.300	<10.0	133	133	37.5	<b>171</b>	240
SW 3B	3/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW 1	3/7/2024	0-5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 2	3/7/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 1 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 2 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 3 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 4 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 5 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 6 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 7 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272

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

**Bold:** NMOCD Closure Criteria exceedance.

**Red:** NMOCD Reclamation Standard exceedance.

Red-highlighted Cell: Highest observable concentration.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Mewbourne Oil Company</b> <b>Quick Draw 10 Battery</b> <b>NMOCD Ref. #: nAPP2405854952</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 8 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 9 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 10 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 11 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 12 @ 1'	3/7/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 13 @ 1'	3/7/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 14 @ 1'	3/7/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 15 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 16 @ 5.5'	3/7/2024	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 17 @ 5.5'	3/7/2024	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 18 @ 4'	3/7/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 19 @ 3'	3/7/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 20 @ 3'	3/7/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 21 @ 5'	3/7/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 22 @ 5'	3/7/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 23 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 24 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	55.6	55.6	13.7	69.3	64.0
FL 25 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 26 @ 6"	3/7/2024	0.5	In-Situ	<0.050	<0.300	<10.0	16.6	16.6	<10.0	16.6	32.0
FL 27 @ 3'	3/8/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 28 @ 3'	3/8/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 29 @ 6"	3/8/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 30 @ 6"	3/8/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 31 @ 3'	3/8/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 32 @ 3'	3/8/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 33 @ 1'	3/8/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 34 @ 6"	3/8/2024	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

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

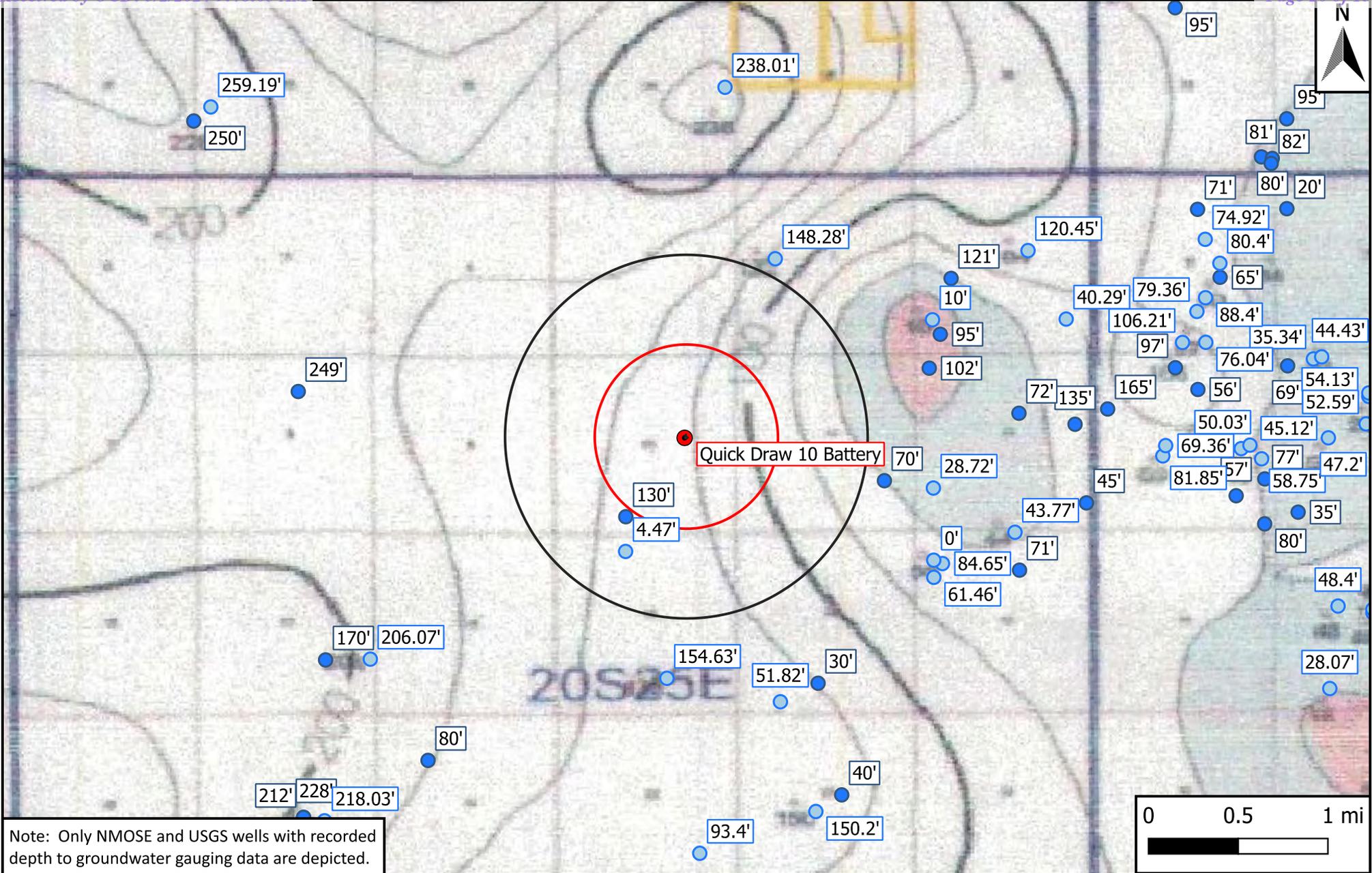
**Bold:** NMOCD Closure Criteria exceedance.

**Red:** NMOCD Reclamation Standard exceedance.

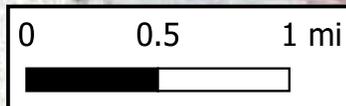
Red-highlighted Cell: Highest observable concentration.

# Appendix A

## Depth to Groundwater Information



Note: Only NMOSE and USGS wells with recorded depth to groundwater gauging data are depicted.



Legend	
<span style="color: red;">●</span> Site Location	<span style="border: 1px solid red; padding: 2px;"> </span> 0.5-Mile Radius
<span style="color: green;">●</span> Well - Exploratory	<span style="border: 1px solid black; padding: 2px;"> </span> 1-Mile Radius
<span style="color: blue;">●</span> Well - NMOSE	
<span style="color: lightblue;">●</span> Well - USGS	

**Figure 4**  
 Inferred Depth to Groundwater Map  
 Mewbourne Oil Company  
 Quick Draw 10 Battery  
 GPS: 32.58872, -104.469267  
 Eddy County, New Mexico

Drafted: bja      Checked: rlc      Date: 2/19/24



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 10779</a>		RA	ED	1	3	2	10	20S	25E	549580	3606026*	314	1300		
<a href="#">RA 05973</a>		RA	ED	4	3	10	20S	25E	549280	3605111	896	200	130	70	

Average Depth to Water: **130 feet**  
 Minimum Depth: **130 feet**  
 Maximum Depth: **130 feet**

**Record Count:** 2

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 549821.49

**Northing (Y):** 3605824.87

**Radius:** 1610

\*UTM location was derived from PLSS - see Help

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

2/21/24 11:31 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER





# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
	RA 05973	4	3	10	20S	25E	549280	3605111	

<b>Driller License:</b> 1532	<b>Driller Company:</b> HENRY TERPENING	
<b>Driller Name:</b> TERPENING, HENRY		
<b>Drill Start Date:</b> 02/21/1977	<b>Drill Finish Date:</b> 03/25/1977	<b>Plug Date:</b>
<b>Log File Date:</b> 05/10/1977	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b>	<b>Depth Well:</b> 200 feet	<b>Depth Water:</b> 130 feet

<b>Meter Number:</b> 14130	<b>Meter Make:</b> MASTER
<b>Meter Serial Number:</b> GRR-26	<b>Meter Multiplier:</b> 100.0000
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Gallons	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b>	<b>Reading Frequency:</b>

**Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
07/15/2010	2010	0	A	sj		0
07/15/2010	2010	3111	A	sj		0.955

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2010	0.955

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POINT OF DIVERSION SUMMARY



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Agency code = usgs

site\_no list =

- 323438104264201

Minimum number of levels = 1

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### USGS 323438104264201 20S.25E.13.113313

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°34'38", Longitude 104°26'42" NAD27

Land-surface elevation 3,359 feet above NAVD88

The depth of the well is 555 feet below land surface.

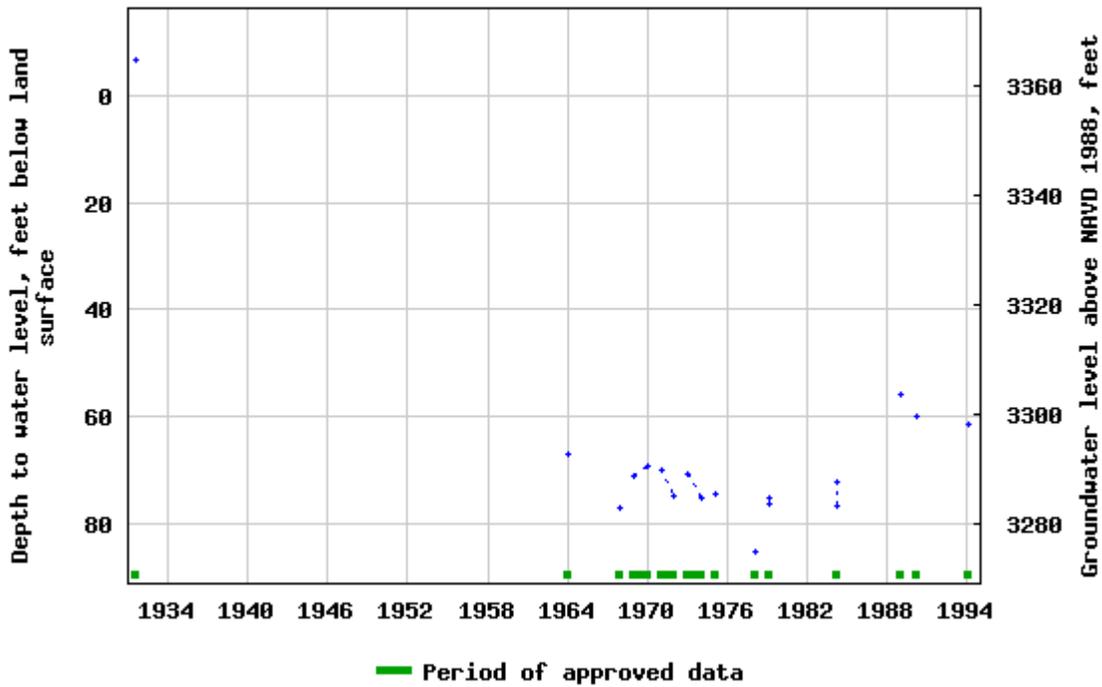
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Grayburg Formation of Artesia Group (313GRBG) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
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USGS 323438104264201 20S.25E.13.113313



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- 323442104263901

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### USGS 323442104263901 20S.25E.13.11312

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Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°34'42", Longitude 104°26'39" NAD27

Land-surface elevation 3,358 feet above NAVD88

The depth of the well is 950 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Grayburg Formation of Artesia Group (313GRBG) local aquifer.

#### Output formats

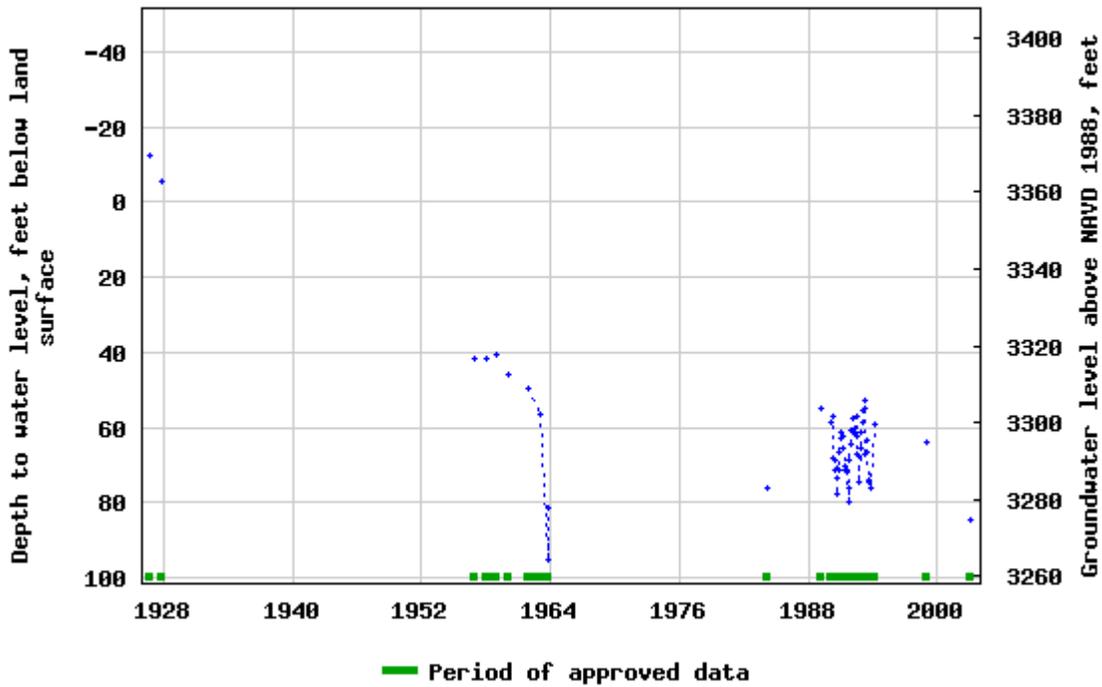
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Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°34'43", Longitude 104°26'42" NAD27

Land-surface elevation 3,360 feet above NAVD88

The depth of the well is 500 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

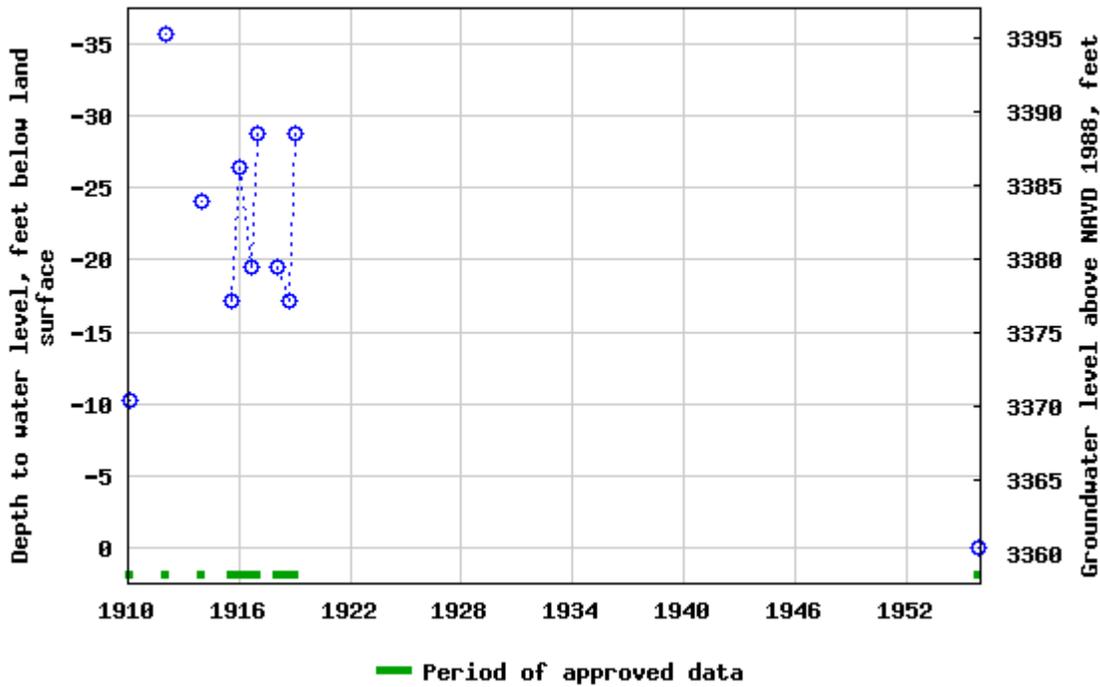
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- 323446104282801

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### USGS 323446104282801 20S.25E.15.12113

Available data for this site

Groundwater: Field measurements

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Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°34'46", Longitude 104°28'28" NAD27

Land-surface elevation 3,427 feet above NAVD88

The depth of the well is 383 feet below land surface.

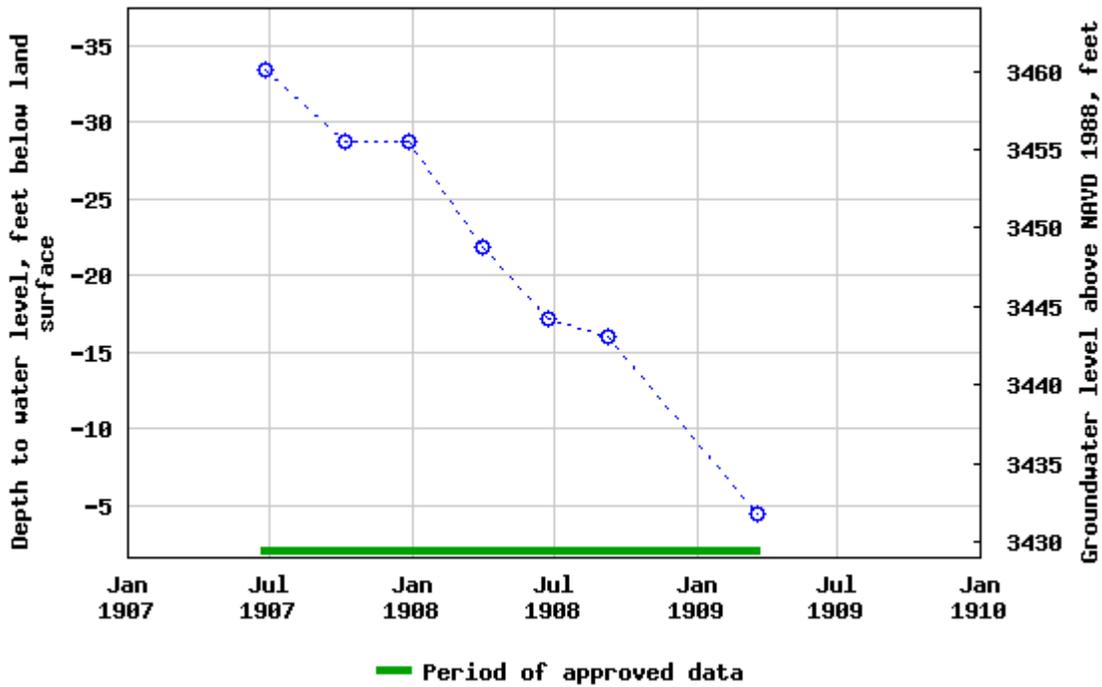
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

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USGS 323446104282801 20S.25E.15.12113



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- 323504104264201

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### USGS 323504104264201 20S.25E.12.31331

Available data for this site

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Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°35'04", Longitude 104°26'42" NAD27

Land-surface elevation 3,354 feet above NAVD88

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

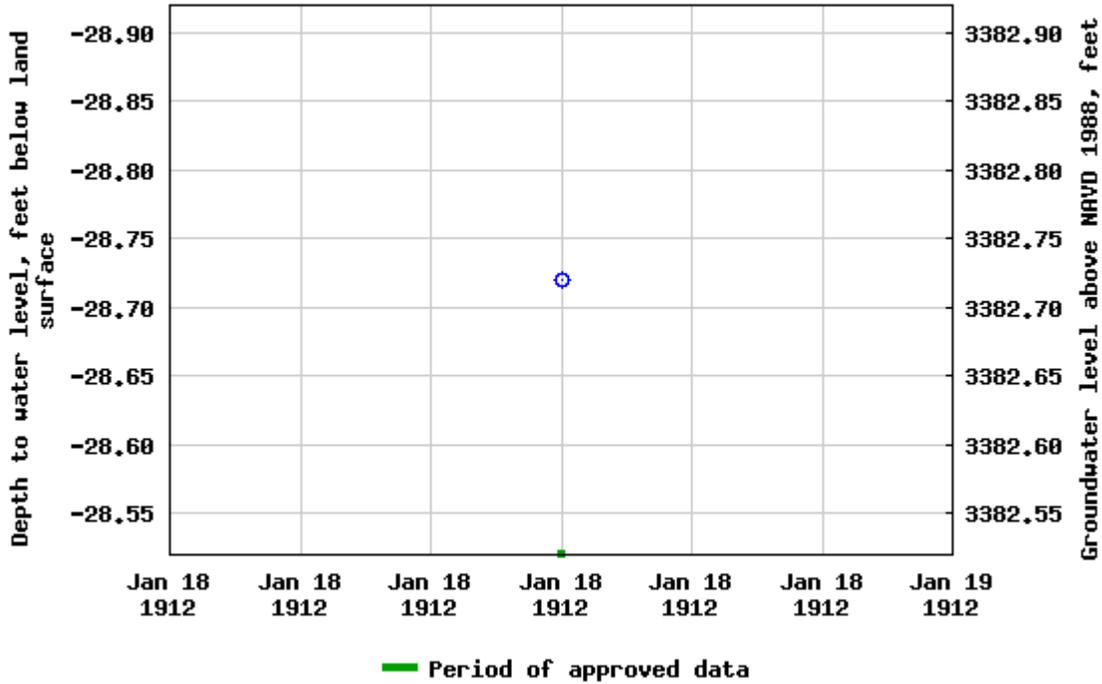
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### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 323553104264201

Minimum number of levels = 1

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

### USGS 323553104264201 20S.25E.01.33111

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°35'53", Longitude 104°26'42" NAD27

Land-surface elevation 3,390 feet above NAVD88

The depth of the well is 528 feet below land surface.

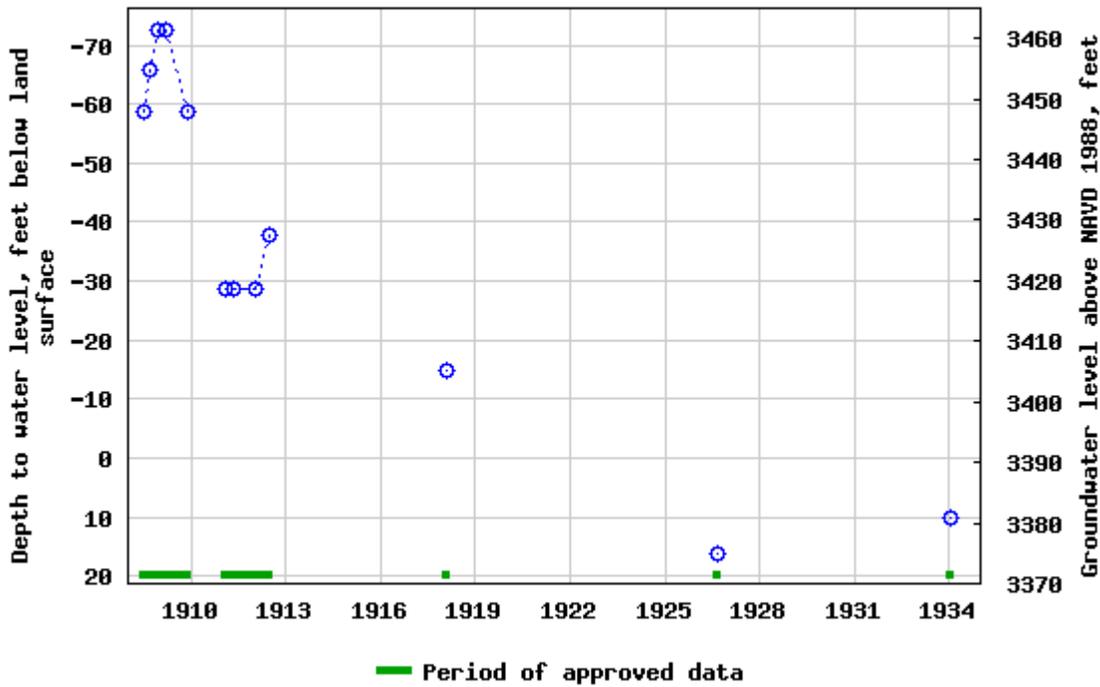
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

USGS 323553104264201 20S.25E.01.33111



Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

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**Title: Groundwater for USA: Water Levels**

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



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

Page Last Modified: 2024-02-21 13:19:06 EST

0.94 0.65 nadww02



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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[Groundwater levels for the Nation](#)

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### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 323611104273601

Minimum number of levels = 1

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

### USGS 323611104273601 20S.25E.02.133244

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°36'11", Longitude 104°27'36" NAD27

Land-surface elevation 3,438 feet above NAVD88

The depth of the well is 150.0 feet below land surface.

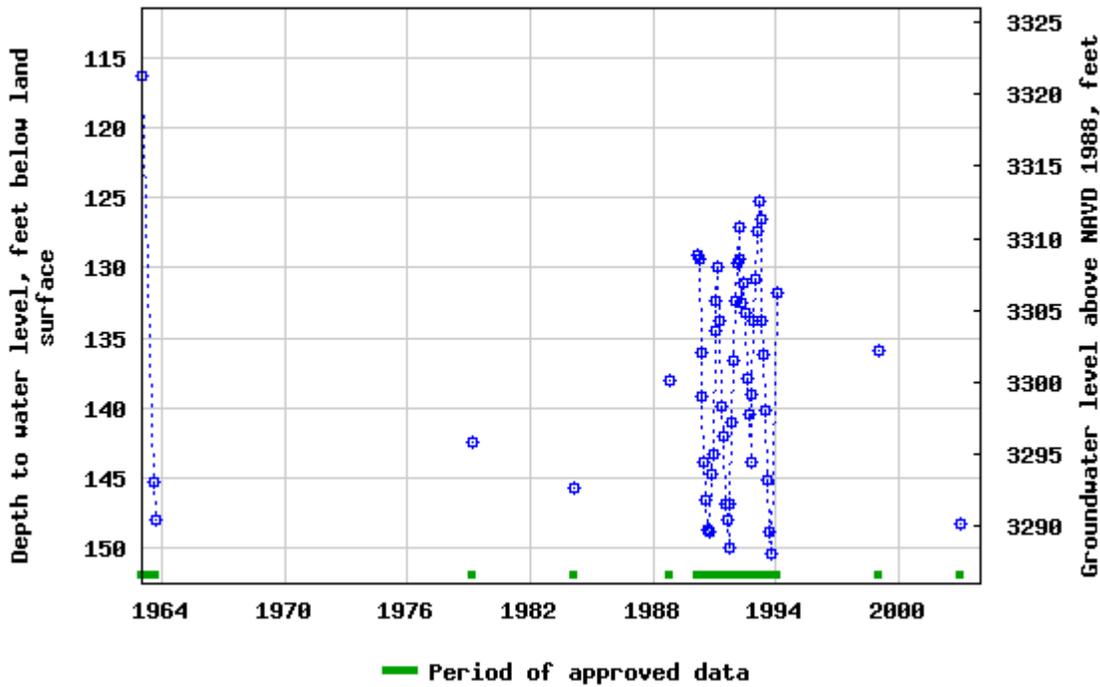
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

USGS 323611104273601 20S.25E.02.133244



Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

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**Title: Groundwater for USA: Water Levels**

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



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

Page Last Modified: 2024-02-21 13:19:07 EST

0.87 0.65 nadww02

# **Appendix B**

## **Photographic Log**

### Photographic Log

<b>Photo Number:</b> 1	
<b>Photo Direction:</b> East-Southeast	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 2	
<b>Photo Direction:</b> East-Northeast	
<b>Photo Description:</b>  View of the affected area.	

### Photographic Log

<b>Photo Number:</b> 3	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 4	
<b>Photo Direction:</b> West-Southwest	
<b>Photo Description:</b>  View of the affected area.	

### Photographic Log

<b>Photo Number:</b> 5	
<b>Photo Direction:</b> North-Northeast	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 6	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the affected area.	

### Photographic Log

<b>Photo Number:</b> 7	 <p><b>Mar 11, 2024 at 2:38:48 PM</b> <b>+32.588643,-104.468770</b> <b>264° W</b> <b>Altitude:1040.5meter</b> <b>Speed:3.1km/h</b></p>
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 8	 <p><b>Mar 11, 2024 at 2:39:03 PM</b> <b>+32.588643,-104.468770</b> <b>271° W</b> <b>Altitude:1039.8meter</b> <b>Speed:4.0km/h</b></p>
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the excavated area.	

### Photographic Log

<b>Photo Number:</b> 9	 <p><b>Mar 11, 2024 at 2:39:31 PM</b> <b>+32.588755,-104.468939</b> <b>237° SW</b> <b>Altitude: 1038.6meter</b> <b>Speed: 4.2km/h</b></p>
<b>Photo Direction:</b> West-Southwest	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 10	 <p><b>Mar 11, 2024 at 2:40:08 PM</b> <b>+32.588946,-104.469059</b> <b>149° SE</b> <b>Altitude: 1037.5meter</b> <b>Speed: 5.2km/h</b></p>
<b>Photo Direction:</b> South-Southeast	
<b>Photo Description:</b>  View of the excavated area.	

### Photographic Log

<b>Photo Number:</b> 11	 <p><b>Mar 11, 2024 at 2:40:37 PM</b> <b>+32.588841,-104.469229</b> <b>154° SE</b> <b>Altitude:1037.9meter</b> <b>Speed:3.4km/h</b></p>
<b>Photo Direction:</b> South-Southeast	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 12	 <p><b>Mar 11, 2024 at 2:41:04 PM</b> <b>+32.588641,-104.469229</b> <b>10° N</b> <b>Altitude:1042.6meter</b> <b>Speed:5.6km/h</b></p>
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the excavated area.	

### Photographic Log

<b>Photo Number:</b> 13	 <p><b>Mar 11, 2024 at 2:41:18 PM</b> <b>+32.588590,-104.469130</b> <b>355° N</b> <b>Altitude:1041.7meter</b> <b>Speed:5.0km/h</b></p>
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 14	 <p><b>Mar 11, 2024 at 2:41:29 PM</b> <b>+32.588590,-104.469130</b> <b>20° N</b> <b>Altitude:1041.9meter</b> <b>Speed:2.8km/h</b></p>
<b>Photo Direction:</b> North-Northeast	
<b>Photo Description:</b>  View of the excavated area.	

### Photographic Log

<b>Photo Number:</b> 15	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

<b>Photo Number:</b> 16	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

### Photographic Log

<b>Photo Number:</b> 17	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

<b>Photo Number:</b> 18	
<b>Photo Direction:</b> West-Southwest	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

### Photographic Log

<b>Photo Number:</b> 19	 <p><b>Mar 14, 2024 at 2:58:31 PM</b> <b>+32.588665,-104.468658</b> <b>301° NW</b> <b>Altitude:1041.3meter</b> <b>Speed:6.8km/h</b></p> <p>View of the remediated area after backfill and regrading.</p>
<b>Photo Direction:</b> West-Northwest	
<b>Photo Description:</b>	

<b>Photo Number:</b> 20	 <p><b>Mar 14, 2024 at 2:58:52 PM</b> <b>+32.588557,-104.469001</b> <b>322° NW</b> <b>Altitude:1042.2meter</b> <b>Speed:5.3km/h</b></p> <p>View of the remediated area after backfill and regrading.</p>
<b>Photo Direction:</b> Northwest	
<b>Photo Description:</b>	

## **Appendix C**

### **Field Data**





### Sample Log

Date: \_\_\_\_\_

Project: Quick Draw 10 Battery

Project Number: 19840 Latitude: 32.58878 Longitude: -104.469122

Sample ID	PID/Odor	Chloride Conc.		GPS
NW 1	-	500	FL - 16 @ 5.5'	228
EW 1	-	412	FL - 17 @ 5.5'	412
SW 1	-	456	FL - 18 @ 4'	ND
FL - 1 @ 6"		552	FL - 19 @ 3'	500
FL - 2 @ 6"		260	FL - 20 @ 3'	552
FL - 3 @ 6"		412	FL - 21 @ 3'	1284
FL - 4 @ 6"		332	FL - 22 @ 3'	2580
FL - 5 @ 6"		500	FL - 23 @ 6"	172
FL - 6 @ 6"		552	FL - 24 @ 6"	144
FL - 7 @ 6"		456	FL - 25 @ 6"	228
FL - 8 @ 6"		552	FL - 26 @ 6"	260
FL - 9 @ 6"		260	FL - 27 @ 4'	832
FL - 10 @ 6"		552	FL - 28 @ 4'	1932
FL - 11 @ 6"		260	FL - 29 @ 2'	886
FL - 12 @ 6"		1508	FL - 28 @ 2'	968
FL - 13 @ 6"		1220	FL - 27 @ 5'	ND
FL - 14 @ 6"		604	FL - 28 @ 5'	328
FL - 15 @ 6"		412	FL - 27 @ 3'	116
FL - 12 @ 1'	-	ND	FL - 28 @ 3'	196
FL - 13 @ 1'	-	228	FL - 29 @ 6"	332
FL - 14 @ 1'	-	144	FL - 30 @ 6"	412
SW 2	-	292	FL - 31 @ 3'	412
EW 2	-	120	FL - 32 @ 3'	500
EW 3	-	552	FL - 33 @ 1'	228
WW 1	-	9852	SW 3A -	332
NW 2	-	228	NW 3A -	368
WW 1	-	144		
WW 2	-	144		
FL - 16 @ 4'	-	1312		
FL - 17 @ 3'	-	840		
FL - 18 @ 3'	-	908		
EW 3	-	368		
FL - test @ 1"	-	604		
FL - test @ 1'	-	172		
FL - 16 @ 5'	-	840		
FL - 17 @ 5'	-	776		

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas

# **Appendix D**

## **Laboratory Analytical Reports**



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

---

February 27, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: QUICK DRAW 10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/26/24 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP1 @ SUR (H240926-01)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	02/27/2024	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	02/26/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP2 @ SUR (H240926-02)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	02/27/2024	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	02/26/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP3 @ SUR (H240926-03)**

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.057</b>	0.050	02/27/2024	ND	2.07	103	2.00	6.55	
<b>Toluene*</b>	<b>0.751</b>	0.050	02/27/2024	ND	2.04	102	2.00	6.70	
<b>Ethylbenzene*</b>	<b>2.83</b>	0.050	02/27/2024	ND	2.01	100	2.00	6.68	
<b>Total Xylenes*</b>	<b>9.09</b>	0.150	02/27/2024	ND	5.85	97.5	6.00	7.10	
<b>Total BTEX</b>	<b>12.7</b>	0.300	02/27/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	02/27/2024	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
<b>GRO C6-C10*</b>	<b>201</b>	10.0	02/27/2024	ND	190	95.0	200	2.31	
<b>DRO &gt;C10-C28*</b>	<b>4140</b>	10.0	02/27/2024	ND	208	104	200	1.65	
<b>EXT DRO &gt;C28-C36</b>	<b>1490</b>	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP4 @ SUR (H240926-04)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	184	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	79.3	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP5 @ SUR (H240926-05)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
<b>DRO &gt;C10-C28*</b>	<b>33.2</b>	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EH1 @ SUR (H240926-06)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EH2 @ SUR (H240926-07)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EH3 @ SUR (H240926-08)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WH1 @ SUR (H240926-09)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WH2 @ SUR (H240926-10)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WH3 @ SUR (H240926-11)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP1 @ 1' (H240926-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP2 @ 2' (H240926-13)**

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	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP3 @ 1' (H240926-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP4 @ 1' (H240926-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/26/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/26/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/26/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SP5 @ 1' (H240926-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/27/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EH1 @ 1' (H240926-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/27/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EH2 @ 1' (H240926-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	6.55	
Toluene*	<0.050	0.050	02/27/2024	ND	2.04	102	2.00	6.70	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.01	100	2.00	6.68	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	5.85	97.5	6.00	7.10	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2024	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	02/27/2024	ND	190	95.0	200	2.31	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	208	104	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EH3 @ 1' (H240926-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2024	ND	1.87	93.7	2.00	2.66		
Toluene*	<0.050	0.050	02/27/2024	ND	2.00	99.8	2.00	1.48		
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	1.99	99.7	2.00	1.00		
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.09	102	6.00	1.07		
Total BTEX	<0.300	0.300	02/27/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/27/2024	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	02/26/2024	ND	225	112	200	2.57		
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	211	105	200	2.12		
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND						

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WH1 @ 1' (H240926-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	1.87	93.7	2.00	2.66	
Toluene*	<0.050	0.050	02/27/2024	ND	2.00	99.8	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	1.99	99.7	2.00	1.00	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.09	102	6.00	1.07	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2024	ND	225	112	200	2.57	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	211	105	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WH2 @ 1' (H240926-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	1.87	93.7	2.00	2.66	
Toluene*	<0.050	0.050	02/27/2024	ND	2.00	99.8	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	1.99	99.7	2.00	1.00	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.09	102	6.00	1.07	
Total BTEX	<0.300	0.300	02/27/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2024	ND	225	112	200	2.57	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	211	105	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/27/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WH3 @ 1' (H240926-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	1.87	93.7	2.00	2.66	
Toluene*	<0.050	0.050	02/27/2024	ND	2.00	99.8	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	1.99	99.7	2.00	1.00	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.09	102	6.00	1.07	
Total BTEX	<0.300	0.300	02/27/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2024	ND	225	112	200	2.57	
DRO >C10-C28*	<10.0	10.0	02/26/2024	ND	211	105	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	02/26/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*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.										<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>																																																																								
Project Manager: Lance Crenshaw										P.O. #:			<table border="1"> <tr><td>Chloride</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>TPH (8015M)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>BTEX (8021B)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										Chloride																					TPH (8015M)																					BTEX (8021B)																				
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City: Hobbs State: NM Zip: 88240										Attn:																																																																											
Phone #: (575) 264-9884 Fax #:										Address:																																																																											
Project #: 19840 Project Owner: Mewbourne										City:																																																																											
Project Name: Quick Draw 10 Battery										State: NM Zip:																																																																											
Project Location: 32.58878, -104.469122										Phone #:																																																																											
Sampler Name: Dominic Casarez										Fax #:																																																																											
FOR LAB USE ONLY																																																																																					
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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March 08, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: QUICK DRAW 10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/07/24 14:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 1 @ 6" (H241171-01)**

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	03/07/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/07/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 71.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 2 @ 6" (H241171-02)**

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	03/07/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/07/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/07/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 3 @ 6" (H241171-03)**

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	03/07/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/07/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 68.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 4 @ 6" (H241171-04)**

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	03/07/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/07/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/07/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 5 @ 6" (H241171-05)**

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	03/07/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/07/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/07/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 56.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 6 @ 6" (H241171-06)**

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	03/07/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/07/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 7 @ 6" (H241171-07)**

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	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 8 @ 6" (H241171-08)**

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	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 9 @ 6" (H241171-09)**

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	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 49.1-148

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**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 10 @ 6" (H241171-10)**

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	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 11 @ 6" (H241171-11)**

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	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 12 @ 1' (H241171-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.0 % 49.1-148

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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: NW1 (H241171-13)**

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	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EW1 (H241171-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/08/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Dionica Hinojos
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SW1 (H241171-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.05	103	2.00	1.18	
Toluene*	<0.050	0.050	03/08/2024	ND	2.10	105	2.00	2.69	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.21	110	2.00	2.53	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.58	110	6.00	2.17	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/08/2024	ND	448	112	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	03/08/2024	ND	191	95.7	200	9.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	197	98.4	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 55.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager





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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																																																								
Project Manager: Lance Crenshaw				P.O. #:				<table border="1"> <tr><td>Chloride</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>TPH (8015M)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>BTEX (8021B)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										Chloride																					TPH (8015M)																					BTEX (8021B)																				
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Address: 2617 West Marland				Company <b>SEE REMARKS</b>																																																																												
City: Hobbs State: NM Zip: 88240				Attn:																																																																												
Phone #: (575) 264-9884 Fax #:				Address:																																																																												
Project #: 19840 Project Owner: Mewbourne				City:																																																																												
Project Name: Quick Draw 10 Battery				State: NM Zip:																																																																												
Project Location: 32.58878, -104.469122				Phone #:																																																																												
Sampler Name: Aaron Rios				Fax #:																																																																												
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																																																						
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<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																																																																
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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March 11, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: QUICK DRAW 10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/08/24 14:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 13 @ 1' (H241196-01)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 14 @ 1' (H241196-02)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 15 @ 6" (H241196-03)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 16 @ 5.5' (H241196-04)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 17 @ 5.5' (H241196-05)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 18 @ 4' (H241196-06)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 19 @ 3' (H241196-07)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 20 @ 3' (H241196-08)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/11/2024	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 21 @ 5' (H241196-09)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 22 @ 5' (H241196-10)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 23 @ 6" (H241196-11)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 24 @ 6" (H241196-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
<b>DRO &gt;C10-C28*</b>	<b>55.6</b>	10.0	03/08/2024	ND	214	107	200	5.05	
<b>EXT DRO &gt;C28-C36</b>	<b>13.7</b>	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 25 @ 6" (H241196-13)**

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	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 26 @ 6" (H241196-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
<b>DRO &gt;C10-C28*</b>	<b>16.6</b>	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WW 1 (H241196-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/11/2024	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	03/08/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: WW 2 (H241196-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/11/2024	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	03/09/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SW 2 (H241196-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/11/2024	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	03/09/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: NW 2 (H241196-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/11/2024	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	03/09/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EW 2 (H241196-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00		
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73		
Total BTEX	<0.300	0.300	03/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/11/2024	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	03/09/2024	ND	212	106	200	5.19		
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	214	107	200	5.05		
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2024	Sampling Date:	03/07/2024
Reported:	03/11/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: EW 3 (H241196-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	4.00	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	3.84	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	4.06	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.28	105	6.00	3.73	
Total BTEX	<0.300	0.300	03/08/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/11/2024	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	03/09/2024	ND	212	106	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	214	107	200	5.05	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager







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

---

March 12, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: QUICK DRAW 10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/11/24 9:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 27 @ 3' (H241209-01)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/12/2024	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	03/11/2024	ND	241	121	200	5.73	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	228	114	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 28 @ 3' (H241209-02)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2024	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	03/12/2024	ND	241	121	200	5.73	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	228	114	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 29 @ 6" (H241209-03)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/12/2024	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	03/12/2024	ND	241	121	200	5.73	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	228	114	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 30 @ 6" (H241209-04)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/12/2024	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	03/12/2024	ND	241	121	200	5.73	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	228	114	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 31 @ 3' (H241209-05)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/12/2024	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	03/12/2024	ND	241	121	200	5.73	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	228	114	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 32 @ 3' (H241209-06)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	205	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 33 @ 1' (H241209-07)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	205	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: FL 34 @ 6" (H241209-08)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	205	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SW 3 (H241209-09)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>240</b>	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.19	
<b>DRO &gt;C10-C28*</b>	<b>133</b>	10.0	03/11/2024	ND	205	103	200	3.39	
<b>EXT DRO &gt;C28-C36</b>	<b>37.5</b>	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: NW 3 (H241209-10)**

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	03/11/2024	ND	2.12	106	2.00	0.482	
Toluene*	<0.050	0.050	03/11/2024	ND	2.10	105	2.00	0.461	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.07	103	2.00	0.647	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.03	100	6.00	0.606	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>240</b>	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.19	
<b>DRO &gt;C10-C28*</b>	<b>86.2</b>	10.0	03/11/2024	ND	205	103	200	3.39	
<b>EXT DRO &gt;C28-C36</b>	<b>21.3</b>	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**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.

Celey D. Keene, Lab Director/Quality Manager





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

---

March 14, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: QUICK DRAW 10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/13/24 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/13/2024	Sampling Date:	03/12/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: NW 3B (H241277-01)**

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	03/13/2024	ND	2.23	112	2.00	6.09	
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38	
Total BTEX	<0.300	0.300	03/13/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/13/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/13/2024	Sampling Date:	03/12/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	19840	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE 32.58878, -104.469122		

**Sample ID: SW 3B (H241277-02)**

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	03/13/2024	ND	2.23	112	2.00	6.09		
Toluene*	<0.050	0.050	03/13/2024	ND	2.19	110	2.00	6.16		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	6.00		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.26	104	6.00	6.38		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/13/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	194	97.1	200	1.07		
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	208	104	200	0.706		
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND						

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



## **Appendix E**

# **Regulatory Correspondence**

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Connor Walker](#)  
**Subject:** [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 320103  
**Date:** Tuesday, March 5, 2024 8:12:58 AM

---

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405854952.

The sampling event is expected to take place:

**When:** 03/07/2024 @ 08:00

**Where:** G-10-20S-25E 0 FNL 0 FEL (32.58872,-104.469267)

**Additional Information:** Sample Tech: Aaron Rios

Phone: 432-701-8602

[aaronr@etechenv.com](mailto:aaronr@etechenv.com)

**Additional Instructions:** From the intersection of White Pine Rd and Co Rd 27 (GPS: 32.565088, -104.483976), head N on Co Rd 27 for 0.52 mi, then N for 0.59 mi, then E for 1.09 mi, then N for 0.03 mi, then E for 0.20 mi, then N for 0.20 mi, then E for 0.06 mi to arrive at the Quick Draw 10 Battery release area (GPS: 32.588780, -104.469122).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Connor Walker](#)  
**Subject:** [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 320106  
**Date:** Tuesday, March 5, 2024 8:28:11 AM

---

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405854952.

The sampling event is expected to take place:

**When:** 03/08/2024 @ 08:00

**Where:** G-10-20S-25E 0 FNL 0 FEL (32.58872,-104.469267)

**Additional Information:** Sample Tech: Aaron Rios

Phone: 432-701-8602

[aaronr@etechenv.com](mailto:aaronr@etechenv.com)

**Additional Instructions:** From the intersection of White Pine Rd and Co Rd 27 (GPS: 32.565088, -104.483976), head N on Co Rd 27 for 0.52 mi, then N for 0.59 mi, then E for 1.09 mi, then N for 0.03 mi, then E for 0.20 mi, then N for 0.20 mi, then E for 0.06 mi to arrive at the Quick Draw 10 Battery release area (GPS: 32.588780, -104.469122).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Connor Walker](#)  
**Subject:** [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 320107  
**Date:** Tuesday, March 5, 2024 8:29:39 AM

---

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405854952.

The sampling event is expected to take place:

**When:** 03/11/2024 @ 08:00

**Where:** G-10-20S-25E 0 FNL 0 FEL (32.58872,-104.469267)

**Additional Information:** Sample Tech: Aaron Rios

Phone: 432-701-8602

[aaronr@etechenv.com](mailto:aaronr@etechenv.com)

**Additional Instructions:** From the intersection of White Pine Rd and Co Rd 27 (GPS: 32.565088, -104.483976), head N on Co Rd 27 for 0.52 mi, then N for 0.59 mi, then E for 1.09 mi, then N for 0.03 mi, then E for 0.20 mi, then N for 0.20 mi, then E for 0.06 mi to arrive at the Quick Draw 10 Battery release area (GPS: 32.588780, -104.469122).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Connor Walker](#)  
**Subject:** [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 320108  
**Date:** Tuesday, March 5, 2024 8:32:00 AM

---

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2405854952.

The sampling event is expected to take place:

**When:** 03/12/2024 @ 08:00

**Where:** G-10-20S-25E 0 FNL 0 FEL (32.58872,-104.469267)

**Additional Information:** Sample Tech: Aaron Rios

Phone: 432-701-8602

[aaronr@etechenv.com](mailto:aaronr@etechenv.com)

**Additional Instructions:** From the intersection of White Pine Rd and Co Rd 27 (GPS: 32.565088, -104.483976), head N on Co Rd 27 for 0.52 mi, then N for 0.59 mi, then E for 1.09 mi, then N for 0.03 mi, then E for 0.20 mi, then N for 0.20 mi, then E for 0.06 mi to arrive at the Quick Draw 10 Battery release area (GPS: 32.588780, -104.469122).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

**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**

QUESTIONS

Action 340084

**QUESTIONS**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 340084
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2405854952
Incident Name	NAPP2405854952 QUICK DRAW 10 BATTERY @ 0
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2125650372] QUICK DRAW 10 BATTERY

**Location of Release Source**

Please answer all the questions in this group.

Site Name	Quick Draw 10 Battery
Date Release Discovered	02/16/2024
Surface Owner	Private

**Incident Details**

Please answer all the questions in this group.

Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Fire   Other (Specify)   Produced Water   Released: 20 BBL   Recovered: 0 BBL   Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Cause: Fire   Other (Specify)   Condensate   Released: 1 BBL   Recovered: 0 BBL   Lost: 1 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Release originated at the Flare.

**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**

QUESTIONS, Page 2

Action 340084

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	340084
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 02/27/2024
--	---

**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**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 340084
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 200 and 300 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	4400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5830
GRO+DRO (EPA SW-846 Method 8015M)	4340
BTEX (EPA SW-846 Method 8021B or 8260B)	12.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/08/2024
On what date will (or did) the final sampling or liner inspection occur	03/12/2024
On what date will (or was) the remediation complete(d)	03/14/2024
What is the estimated surface area (in square feet) that will be reclaimed	4124
What is the estimated volume (in cubic yards) that will be reclaimed	248
What is the estimated surface area (in square feet) that will be remediated	4961
What is the estimated volume (in cubic yards) that will be remediated	640

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 340084

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 340084
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/02/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 340084

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 340084
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

**District I**  
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Action 340084

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 340084
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>320108</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>03/12/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>36</b>
What was the sampling surface area in square feet	<b>5800</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	<b>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>No</b>
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>4961</b>
What was the total volume (cubic yards) remediated	<b>640</b>
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	<b>Yes</b>
What was the total surface area (in square feet) reclaimed	<b>4124</b>
What was the total volume (in cubic yards) reclaimed	<b>248</b>
Summarize any additional remediation activities not included by answers (above)	<b>Please see attached closure report for complete remediation details.</b>

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/02/2024
--	---

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Action 340084

**QUESTIONS (continued)**

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	Action Number: 340084
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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 Phone:(575) 393-6161 Fax:(575) 393-0720

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CONDITIONS

Action 340084

**CONDITIONS**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 340084
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	None	5/20/2024