Page 1 of 359

Incident ID	nAPP2219360589
District RP	
Facility ID	
Application ID	

### Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.								
✓ A scaled site and sampling diagram as described in 19.15.29.	11 NMAC								
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)									
✓ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)								
Description of remediation activities									
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.  Title: Sr. Engineer								
email: cwalker@mewbourne.com	Telephone: (806)202-5281								
OCD Only									
Received by:	Date:								
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.								
Closure Approved by:	Date:								
Printed Name:	Title:								

### Remediation Summary & Soil Closure Request

### Mewbourne Oil Company Foxhole Tank Farm

Eddy County, New Mexico
Unit Letter "H", Section 25, Township 20 South, Range 28 East
Latitude 32.5471180 North, Longitude 104.123299 West
NMOCD Reference No. nAPP2219360589

Prepared By:

**Etech Environmental & Safety Solutions, Inc.** 

6309 Indiana Ave, Ste. D Lubbock, Texas 79413

Sen J. Arguijo

Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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### 1.0 PROJECT INFORMATION

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

atitude:	32.5471180	Longitude:	-1	04.123299						
	Provi	ded GPS are in WGS84 forma	t.							
ite Name: Foxhole Tank Farm Site Type: Pipeline										
Date Release Discovere	ed: 6/29/2022	API # (if applica	ble):	N/A						
Unit Letter Sec	ction Township	Range	County							
"H" 2	25 20S	28E	Eddy							
Surface Owner: Sta		and Volume of R								
Crude Oil	Volume Released (bbls)		Volume Recovered	d (bbls)						
X Produced Water	X Produced Water Volume Released (bbls) 979 Volume Reco									
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?									
Condensate	Volume Released (bbls)		Volume Recovered	overed (bbls)						
Natural Gas	Volume Released (Mcf)		Volume Recovered	overed (Mcf)						
Other (describe)	Volume/Weight Released		Volume/Weight Re	ecovered						
Cause of Release: A discharge lay flat lin	ne came apart at a connection	on down stream of a bo	ooster pump.							
	1	Initial Response								
X The source of the r	release has been stopped.									
X The impacted area	has been secured to protect h	uman health and the en	vironment.							
	1 1	C1 1'1 1								
X Release materials l	nave been contained via the u	se of berms or dikes, at	sorbent pad, or other	containment devices						

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

### 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Foxhole Tank Farm release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

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

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

### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
35'	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

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

 $<sup>\</sup>dagger$  Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

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

### 4.0 INITIAL SITE ASSESSMENT & PROPOSED REMEDIATION ACTIVITIES

From September 26 through October 6, 2022, an initial site assessment was conducted by a third-party environmental contractor that is no longer affiliated with the site. During the initial site assessment, a series of 75 hand-augered soil bores and/or test trenches (SP-001 through SP-075) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. The sample locations were investigated to depths ranging from ground surface to 7.5 feet below ground surface (bgs). A total of 161 delineation soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride.

On January 3, 2023, based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, Mewbourne submitted a *Request for Approval of Work Plan* (henceforth, "Work Plan") to the NMOCD proposing the following remediation activities designed to advance the Foxhole Tank Farm release site toward an approved closure:

- Excavate impacted soil within the inferred release margins to depths ranging from 0.5 to 7.5 feet bgs.
- Advance the floors of the excavated area until laboratory analytical results from confirmation soil samples indicate BTEX,
   TPH, and chloride concentrations are below the NMOCD Closure Criteria. Advance the sidewalls of the excavated area to meet NMOCD Reclamation Standards.
- Stockpile excavated soil on-site on 6-mil plastic sheeting, pending transport to an NMOCD-permitted surface waste facility for disposal.
- Upon completion of excavation activities, collect five-point composite confirmation soil samples from the sidewalls and floors of the excavated area representing no more than 500 square feet.
- Upon receiving laboratory analytical results from confirmation soil samples, restore the affected area to the condition that existed prior to the release, to the extent practicable. Backfill the excavated area with locally sourced, non-impacted, "like" material. Compact and contour the affected areas to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Reseed affected areas not on production pads, pipeline rights-of-way, and/or lease roads with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.
- Upon completion of remediation activities, prepare a *Remediation Summary & Soil Closure Request* detailing field activities and laboratory analytical results from confirmation soil samples.

Please reference the *Work Plan*, which is available in the *NMOCD Imaging System*, for additional details regarding the initial site assessment, delineation sample point locations, laboratory analytical results, and the proposed remediation activities.

On January 19, 2023, Mewbourne contracted Etech to assume remediation activities for the release.

On January 31 and February 1, 2023, Etech, on behalf of Mewbourne, submitted additional documentation and detailed, written demonstrations to supplement the request for a 500-square-foot *Alternative Sampling Plan* proposed in the *Work Plan*. The *Alternative Sampling Plan* was subsequently approved by the NMOCD.

Copies of all regulatory correspondence are provided in Appendix E.

### 5.0 REMEDIATION ACTIVITIES SUMMARY

On January 25, 2023, remediation activities commenced at the Foxhole Tank Farm release site. In accordance with the *Work Plan*, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. A Hach Quantab® chloride field test kit and/or olfactory/visual senses were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floors of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Pursuant to the *Alternative Sampling Plan*, representative, five-point composite confirmation soil samples were collected every 500 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis.

On January 26, 2023, Etech collected 10 confirmation soil samples (NW 7 through NW 12, EW 1, EW 2, SW 1, and WW 1) 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory method detection limit (MDL). Chloride concentrations ranged from 64.0 mg/kg in soil sample NW 9 to 304 mg/kg in soil sample NW 7.

On January 27, 2023, Etech collected 22 confirmation soil samples (NW 1, NW 2, NW 13, SW 3, SW 9, WW 3, FS 1 @ 2' through FS 8 @ 2', FS 10 @ 2' through FS 15 @ 2', FS 17 @ 2', and FS 18 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 64.0 mg/kg in soil samples FS 5 @ 2', FS 7 @ 2', and FS 8 @ 2' to 336 mg/kg in soil sample FS 15 @ 2'.

On January 30, 2023, Etech collected 16 confirmation soil samples (NW 3, SW 2, SW 10, FS 9 @ 3, and FS 19 @ 2 through FS 30 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples NW 3 and FS 22 @ 2 to 160 mg/kg in soil sample FS 19 @ 2.

On January 31, 2023, Etech collected 18 confirmation soil samples (SW 4, SW 5, SW 6, WW 4, WW 5, and FS 31 @ 2 through FS 43 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil samples FS 38 @ 2 and FS 39 @ 2 to 352 mg/kg in soil sample SW 4.

On February 1, 2023, Etech collected 12 confirmation soil samples (SW 7, WW 2, and FS 44 @ 2 through FS 53 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil samples FS 44 @ 2, FS 46 @ 2, and FS 52 @ 2 to 272 mg/kg in soil sample FS 49 @ 2.

On February 2, 2023, Etech collected 16 confirmation soil samples (NW 14, SW 8, and FS 54 @ 2 through FS 67 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil samples NW 14, FS 55 @ 2, FS 59 @ 2, and FS 66 @ 2 to 336 mg/kg in soil sample FS 62 @ 2.

On February 3, 2023, Etech collected 19 confirmation soil samples (NW 4, NW 5, NW 6, WW 6, FS 16 @ 2, and FS 68 @ 2 through FS 81 @ 3) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples NW 6, FS 16 @ 2, and FS 79 @ 4 to 272 mg/kg in soil sample FS 69 @ 2.

On February 6, 2023, Etech collected 18 confirmation soil samples (NW 15, EW 3, WW 7, FS 82 @ 2 through FS 88 @ 2, and FS 92 @ 2 through FS 99 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil sample FS 97 @ 2 to 416 mg/kg in soil sample FS 88 @ 2.

On February 7, 2023, Etech collected 12 confirmation soil samples (SW 11, FS 89 @ 3, FS 90 @ 3, FS 91 @ 3, and FS 100 @ 2 through FS 107 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples FS 101 @ 2 and FS 103 @ 2 to 160 mg/kg in soil sample SW 11.

On February 8, 2023, Etech collected 16 confirmation soil samples (FS 108 @ 2 through FS 123 @ 2) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil samples FS 110 @ 2 through FS 114 @ 2 to 288 mg/kg in soil sample FS 118 @ 2.

On February 9, 2023, Etech collected eight (8) confirmation soil samples (WW 8 and FS 124 @ 2 through FS 130 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 64.0 mg/kg in soil samples FS 129 @ 2 and FS 130 @ 2 to 160 mg/kg in soil samples FS 125 @ 2 and FS 127 @ 2.

On February 10, 2023, Etech collected 13 confirmation soil samples (EW 4, EW 5, and FS 131 @ 2 through FS 141 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil sample FS 134 @ 2 to 208 mg/kg in soil sample FS 132 @ 2.

On February 13, 2023, Etech collected 12 confirmation soil samples (FS 142 @ 2 through FS 153 @ 2) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples FS 149 @ 3 and FS 150 @ 2 to 224 mg/kg in soil sample FS 144 @ 4.

On February 15, 2023, Etech collected eight (8) confirmation soil samples (SW 12, WW 9, WW 10, and FS 154 @ 2 through FS 158 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample WW 10 to 352 mg/kg in soil sample FS 154 @ 2.

On February 17, 2023, Etech collected 13 confirmation soil samples (NW 16, EW 6, SW 13, SW 14, SW 15, and FS 159 @ 4 through FS 166 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for

analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 16.0 mg/kg in soil sample SW 13 to 368 mg/kg in soil sample SW 14.

On February 24, 2023, Etech collected eight (8) confirmation soil samples (NW 17, SW 16, WW 12, WW 13, and FS 167 @ 2 through FS 170 @ 2) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 96.0 mg/kg in soil sample WW 13 to 176 mg/kg in soil sample FS 170 @ 2.

On February 27, 2023, Etech collected five (5) confirmation soil samples (SW 17, WW 14, FS 171 @ 2, FS 172 @ 3, and FS 173 @ 4) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the appropriate laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil samples SW 17 and WW 14 to 336 mg/kg in soil sample FS 173 @ 4.

The final dimensions of the excavated area were approximately 658 to 684 feet in length, seven (7) to 246 feet in width, and two (2) to five (5) feet in depth. Etech transported approximately 11,036 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 10,844 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

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

### 6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was compacted and contoured 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 during the first favorable growing season following closure of the site.

### 7.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines and the *Work Plan* dated January 3, 2023. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate insitu concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

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

### 8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents 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.

### 9.0 DISTRIBUTION

### Mewbourne Oil Company

4801 Business Park Blvd. Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department

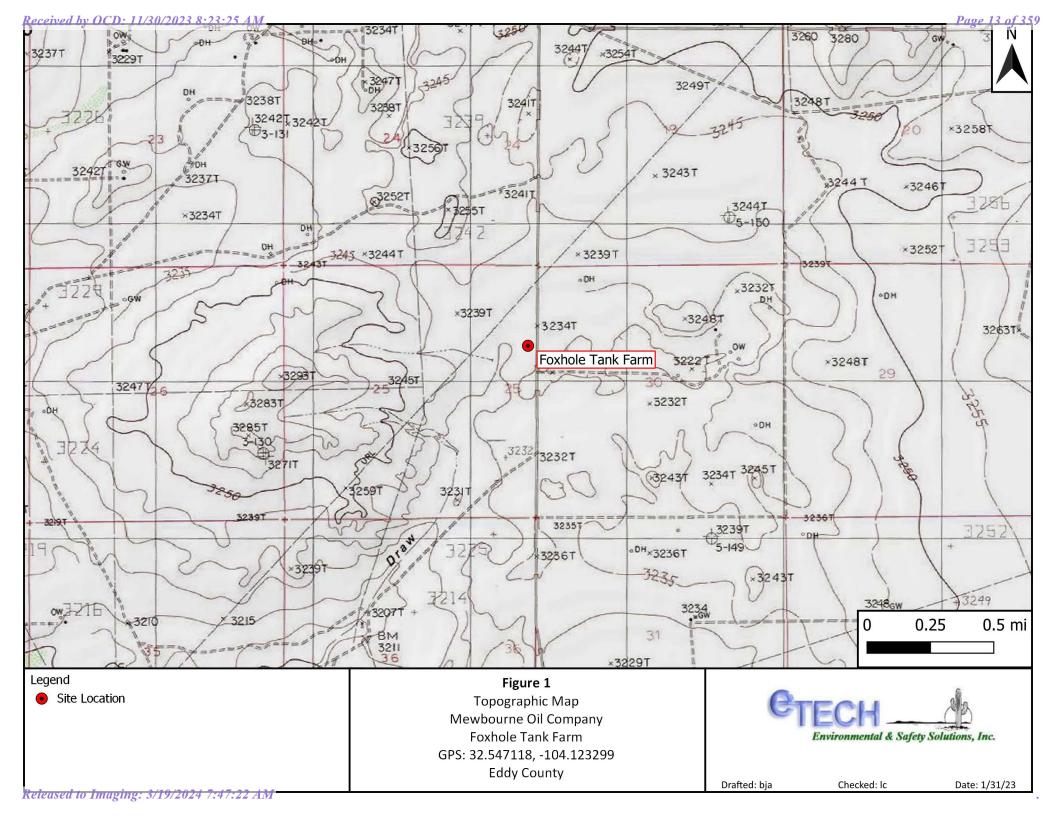
Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

### United States Department of the Interior

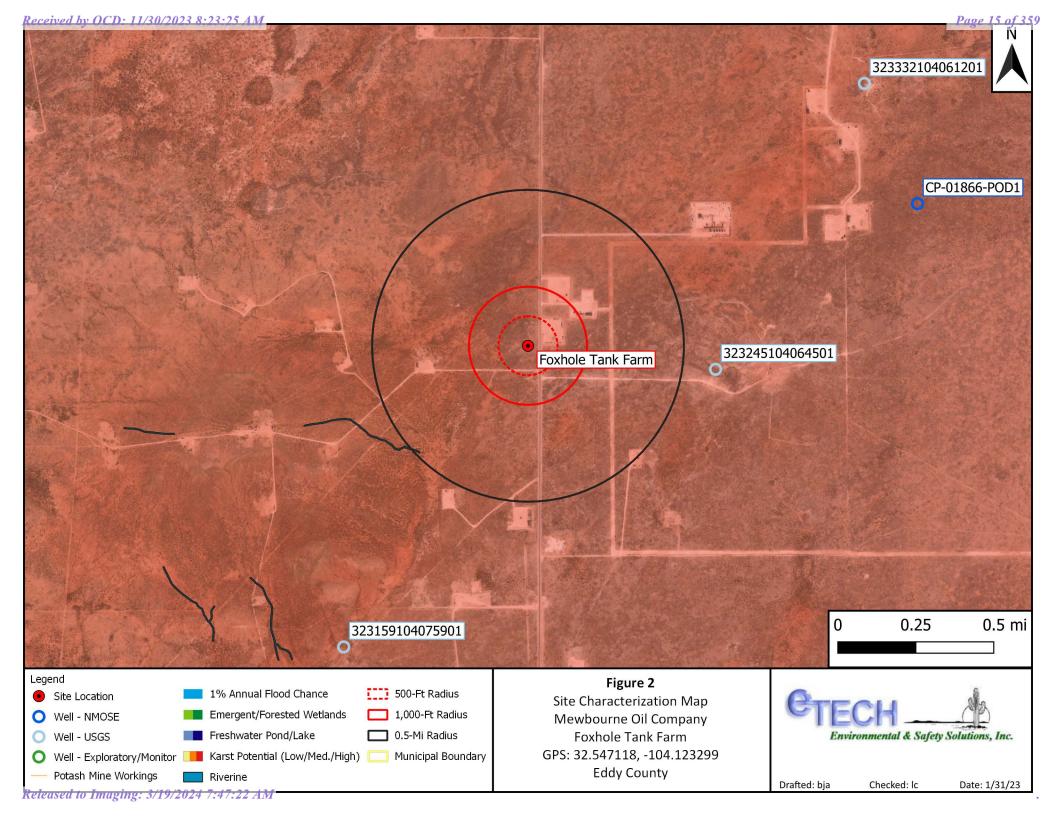
Bureau of Land Management 620 E. Greene Street Carlsbad, NM 88220

(Electronic Submission)

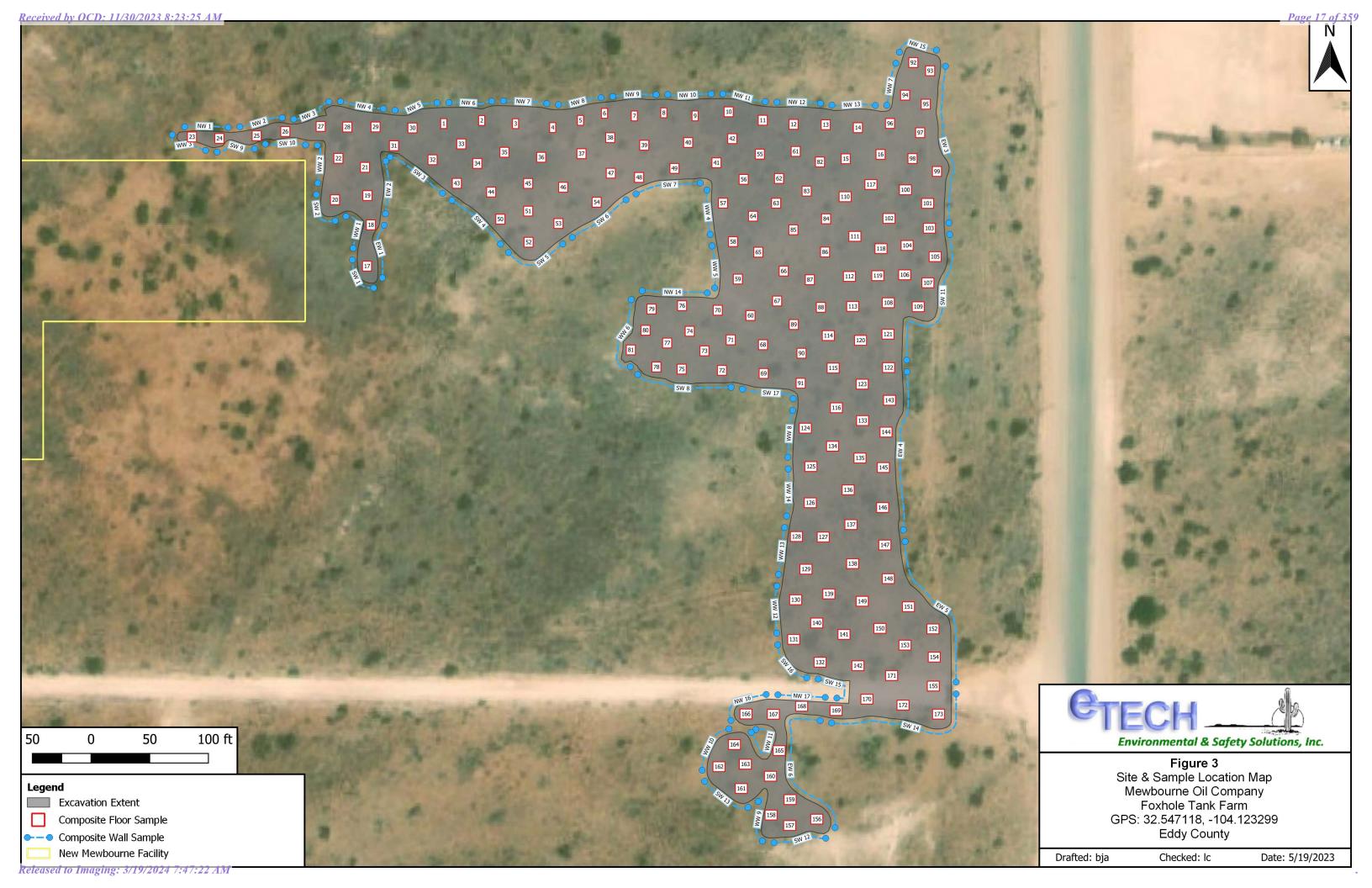
### Figure 1 Topographic Map



### Figure 2 Site Characterization Map



### Figure 3 Site & Sample Location Map



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

				NMOCI	) Ref. #: n	APP2219	360589	1		1	
NMO	CD Closure C	riteria		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
				SW 846 8021B SW 846 8015M Ext.				4500 Cl			
Sample ID	Date	Depth	Soil	Benzene	BTEX	GRO	DRO	GRO + DRO	ORO	TPH	Chloride
<b>F</b>		(Feet)	Status	(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>10</sub>	C <sub>10</sub> -C <sub>28</sub>	$C_6$ - $C_{28}$	C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	(mg/kg)
				, , ,		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	, , ,
NW 1	1/27/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW 2	1/27/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW 3	1/30/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 4	2/3/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 5	2/3/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
NW 6	2/3/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 7	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
NW 8	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
NW 9	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 10	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	192
NW 11	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	112
NW 12	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	< 30.0	80.0
NW 13	1/27/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 14	2/2/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 15	2/6/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 16	2/17/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
NW 17	2/24/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EW 1	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EW 2	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 3	2/6/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 4	2/10/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 5	2/10/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 6	2/17/2023	0-5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW 1	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SW 2	1/30/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 3	1/27/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 4	1/31/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
SW 5	1/31/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SW 6	1/31/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SW 7	2/1/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 8	2/2/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 9	1/27/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW 10	1/30/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 11	2/7/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW 12	2/15/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 13	2/17/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 14	2/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
SW 15	2/17/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 16	2/24/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW 17	2/27/2023	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 1	1/26/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128

 $\label{eq:Dash of Constituent} \textbf{Dash (-): Sample not analyzed for that constituent}.$ 

17150	an a a				) Ref. #: r		1		I	I	
	CD Closure C			10	50	N/A	N/A	N/A	N/A	100	600
NMOCL	Reclamation	Standard	l	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	0 8021B		SW 846 8015M Ext.			4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	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)	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)
WW 2	2/1/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 3	1/27/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW 4	1/31/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
WW 5	1/31/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
WW 6	2/3/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW 7	2/6/2023	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 8	2/9/2023	0-2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WW 9	2/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 10	2/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 12 WW 13	2/24/2023 2/24/2023	0-2 0-2	In-Situ In-Situ	<0.050	<0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	144 96.0
WW 13	2/24/2023	0-2	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 1 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FS 2 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 3 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 4 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 5 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 6 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 7 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 8 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 9 @ 3	1/30/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 10 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 11 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 12 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 13 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 14 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 15 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FS 16 @ 2	2/3/2023	2	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 17 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 18 @ 2'	1/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 19 @ 2	1/30/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 20 @ 2	1/30/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 21 @ 2	1/30/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 22 @ 2	1/30/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 23 @ 2 FS 24 @ 2	1/30/2023 1/30/2023	2	In-Situ In-Situ	<0.050	<0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	48.0 64.0
FS 24 @ 2 FS 25 @ 2	1/30/2023	2	In-Situ In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 25 @ 2 FS 26 @ 2	1/30/2023	2	In-Situ In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 27 @ 2	1/30/2023	2	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 28 @ 2	1/30/2023	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 29 @ 2	1/30/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
1527 (1) 2	1/30/2023		าน-อเน	~0.030	~0.500	10.0	10.0	\ZU.U	10.0	\JU.U	U <b>T.</b> U

 $\label{eq:Dash of Constituent} \textbf{Dash (-): Sample not analyzed for that constituent.}$ 

					) Ref. #: r		1	I	1	1	
	CD Closure C			10	50	N/A	N/A	N/A	N/A	100	600
NMOCD	Reclamation	Standard	ı	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	5 8021B		SW	846 8015M	Ext.	1	4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	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)
FS 30 @ 2	1/30/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	< 30.0	48.0
FS 31 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FS 32 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 33 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FS 34 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 35 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FS 36 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 37 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 38 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 39 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 40 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 41 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 42 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 43 @ 2	1/31/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FS 44 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS 45 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 46 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS 47 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 48 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 49 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FS 50 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 51 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 52 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS 53 @ 2	2/1/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 54 @ 2	2/2/2023	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 55 @ 2	2/2/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 56 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 57 @ 2	2/2/2023	2	In-Situ		<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 58 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 59 @ 2	2/2/2023	2	In-Situ	< 0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 60 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 61 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 62 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FS 63 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 64 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 65 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 66 @ 2	2/2/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 67 @ 2	2/2/2023	2 2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 68 @ 2 FS 69 @ 2	2/3/2023		In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
	2/3/2023	2 2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FS 70 @ 2	2/3/2023		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

 $\label{eq:Dash of Constituent} \textbf{Dash (-): Sample not analyzed for that constituent.}$ 

					) Ref. #: r		1	I	1	1	
	CD Closure C			10	50	N/A	N/A	N/A	N/A	100	600
NMOCD	Reclamation	Standard	ı	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	5 8021B		SW	846 8015M	Ext.	1	4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	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)
FS 71 @ 2	2/3/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 72 @ 2	2/3/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 73 @ 2	2/3/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 74 @ 2	2/3/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 75 @ 2	2/3/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 76 @ 2	2/3/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 77 @ 2	2/3/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 78 @ 4	2/3/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 79 @ 4	2/3/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 80 @ 3	2/3/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 81 @ 3	2/3/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 82 @ 2	2/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 83 @ 2	2/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 84 @ 2	2/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FS 85 @ 2	2/6/2023	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FS 86 @ 2	2/6/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FS 87 @ 2	2/6/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FS 88 @ 2	2/6/2023	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FS 89 @ 3	2/7/2023	3	In-Situ	< 0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 90 @ 3	2/7/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 91 @ 3	2/7/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 92 @ 2	2/6/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 93 @ 2	2/6/2023		In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 94 @ 2 FS 95 @ 2	2/6/2023 2/6/2023	2	In-Situ In-Situ	<0.050 <0.050	<0.300	<10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	64.0 48.0
FS 96 @ 2	2/6/2023	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 97 @ 2	2/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 98 @ 2	2/6/2023	2	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 99 @ 2	2/6/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 100 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 101 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 102 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 103 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 104 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 105 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 106 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 107 @ 2	2/7/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 108 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 109 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 110 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 111 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
			-								

 $\label{eq:Dash of Constituent} \textbf{Dash (-): Sample not analyzed for that constituent}.$ 

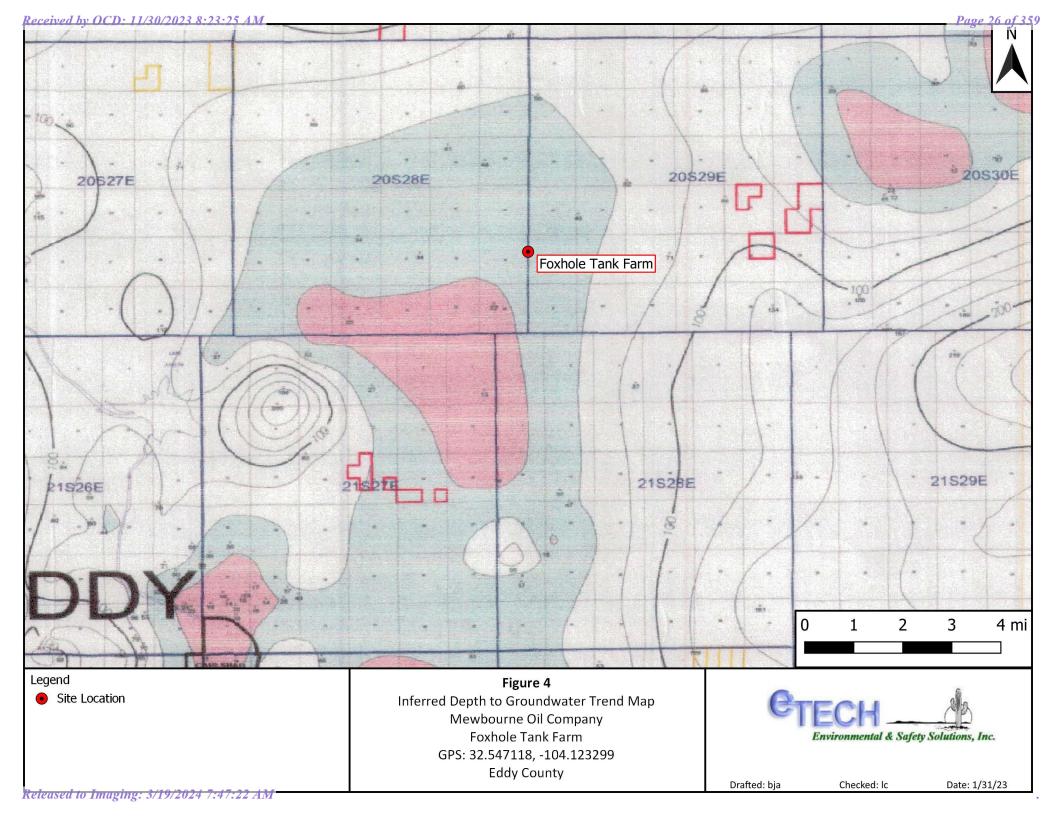
					) Ref. #: r		1	1		1	
	CD Closure C			10	50	N/A	N/A	N/A	N/A	100	600
NMOCD	Reclamation	Standard	ı	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	5 8021B		SW	846 8015M	Ext.	1	4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</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)
FS 112 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	< 30.0	48.0
FS 113 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 114 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	< 30.0	48.0
FS 115 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 116 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 117 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 118 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FS 119 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 120 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 121 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 122 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 123 @ 2	2/8/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 124 @ 2	2/9/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 125 @ 2	2/9/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 126 @ 2	2/9/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 127 @ 2	2/9/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 128 @ 2	2/9/2023	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 129 @ 2	2/9/2023	2	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 130 @ 2	2/9/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 131 @ 2	2/10/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 132 @ 2	2/10/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 133 @ 2	2/10/2023 2/10/2023	2	In-Situ In-Situ	<0.050	<0.300	<10.0	<10.0 <10.0	<20.0 <20.0	<10.0	<30.0 <30.0	48.0 32.0
FS 134 @ 2 FS 135 @ 2	2/10/2023	2	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 136 @ 2	2/10/2023	2	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 137 @ 2	2/10/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 138 @ 2	2/10/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 139 @ 2	2/10/2023	2	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 140 @ 2	2/10/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 141 @ 2	2/10/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 142 @ 2	2/13/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 143 @ 2	2/13/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 144 @ 4	2/13/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FS 145 @ 4	2/13/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 146 @ 4	2/13/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 147 @ 3	2/13/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 148 @ 3	2/13/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 149 @ 3	2/13/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 150 @ 2	2/13/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 151 @ 2	2/13/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 152 @ 2	2/13/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
				1			<u> </u>				

 $\label{eq:Dash of Constituent} \textbf{Dash (-): Sample not analyzed for that constituent}.$ 

Table 1
Concentrations of BTEX, TPH & Chloride in Soi
Mewbourne Oil Company
Foxhole Tank Farm
NMOCD Ref. #: nAPP2219360589

NMO	CD Closure C	riteria		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
				SW 846	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	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 C6-C28 (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)
FS 153 @ 2	2/13/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 154 @ 2	2/15/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FS 155 @ 2	2/15/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 156 @ 2	2/15/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 157 @ 2	2/15/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 158 @ 2	2/15/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 159 @ 4	2/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	224
FS 160 @ 4	2/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 161 @ 2	2/17/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	64.0
FS 162 @ 2	2/17/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	48.0
FS 163 @ 2	2/17/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 164 @ 2	2/17/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	64.0
FS 165 @ 5	2/17/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS 166 @ 2	2/17/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	32.0
FS 167 @ 2	2/24/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 168 @ 2	2/24/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	128
FS 169 @ 2	2/24/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 170 @ 2	2/24/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 171 @ 2	2/27/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 172 @ 3	2/27/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 173 @ 4	2/27/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336

### Appendix A Depth to Groundwater Information





## 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

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

closed) (quarters are smallest to largest)

3 4 2 30 20S 29E

(In feet)

52

POD

Sub- Q Q Q Q Code basin County 64 16 4 Sec Tws Rng

ng

583661

Υ

(NAD83 UTM in meters)

Depth Depth Water Distance Well Water Column

3601238\*

9

Average Depth to Water: 52 feet

1358

Minimum Depth: 52 feet

Maximum Depth: 52 feet

**Record Count: 1** 

**POD Number** 

CP 00936 POD1

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

Easting (X): 582314.95 Northing (Y): 3601421 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.

5/19/23 1:30 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



## New Mexico Office of the State Engineer Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X '

CP 00936 POD1

8.00

3 4 2 30 20S 29E

583661 3601238\*

\*

**Driller License:** 

**Driller Name:** 

**Driller Company:** 

12/31/1929

70 feet

Plug Date:

Drill Start Date: Log File Date: Drill Finish Date: PCW Rcv Date:

Depth Well:

Source:

PCW NCV D

cource.

Pump Type: Casing Size:

Pipe Discharge Size:

**Estimated Yield:** 

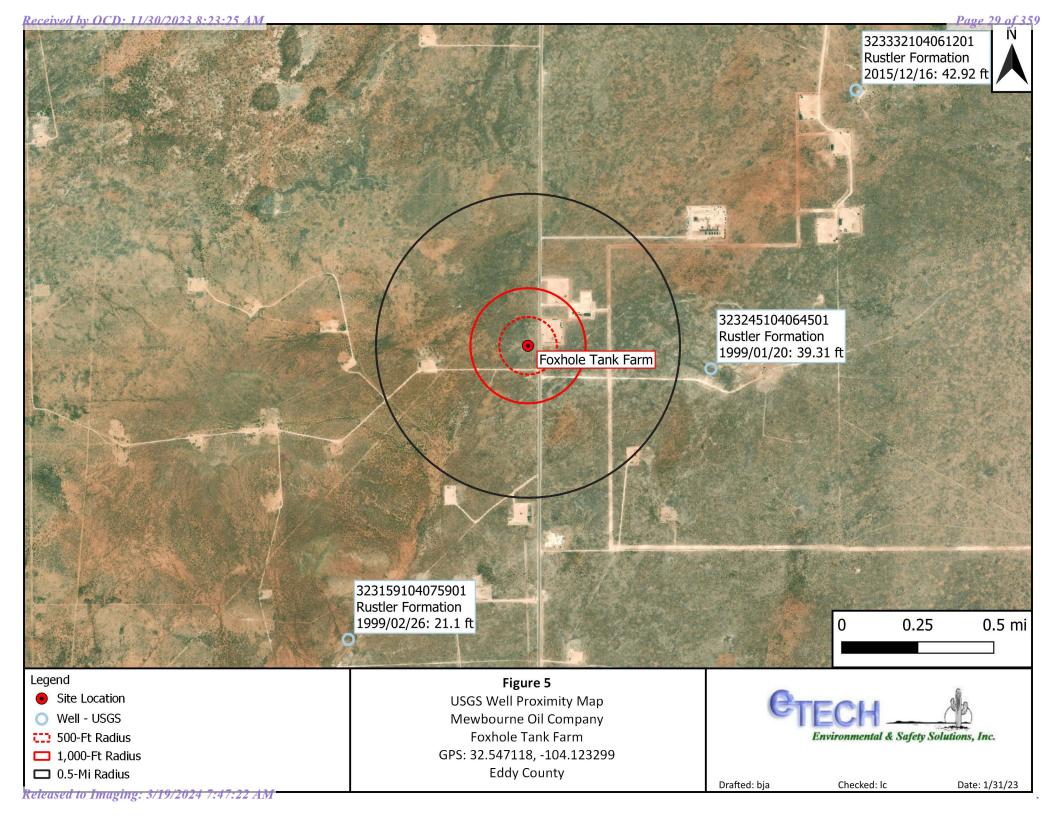
Depth Water: 52 feet

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.

5/19/23 1:31 PM

POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help





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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 323245104064501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 323245104064501 20S.29E.30.23333

Eddy County, New Mexico Latitude 32°32'45", Longitude 104°06'45" NAD27 Land-surface elevation 3,231 feet above NAVD88 The depth of the well is 70 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### **Output formats**

Table of data											
Tab-separated d	<u>ata</u>										
Graph of data	raph of data										
Reselect period											
Date \$	Time \$	? Water- level	? Parameter   code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\phi\$ datum	? Status	? Method of measurement	? Measuring \$agency	? Source of measurement	? Water- level approval status
1968-05-23		D	72019	40.75			1	Z			А
1971-02-08		D	72019	39.77			1	Z			А
1983-01-26		D	72019	40.94			1	Z			А
1994-03-03		D	72019	39.91			1	S			А
1999-01-20		D	72019	39.31			1	S	USGS	S	А

#### Explanation

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

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-05-19 15:05:02 EDT

0.35 0.28 nadww01





0

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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 323159104075901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 323159104075901 20S.28E.36.14312

Eddy County, New Mexico
Latitude 32°31'59", Longitude 104°07'59" NAD27
Land-surface elevation 3,209 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### **Output formats**

Table of data
Tab-separated data
Graph of data
Reselect_period

Date \$	Time \$	? Water-level cate-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1948-12-27		D	72019	19.05			1	Z			Α
1965-11-17		D	72019	19.24			Р	Z			Α
1968-05-22		D	72019	21.09			Р	Z			Α
1971-02-08		D	72019	19.85			1	Z			Α
1976-12-08		D	72019	18.92			1	Z			А
1983-01-13		D	72019	18.34			1	Z			А

Date \$	Time \$	? Water- level date-time accuracy	? Parameter ≎ code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical datum	<b>\$</b>	? \$	? Method of measurement	? Measuring \$\frac{1}{2}\$ agency	? Source of measurement	? Water- level approval status	<b>\$</b>
1994-03-03		D	72019	22.03				1	S				Α
1999-02-26		D	72019	21.10				1	S	USGS	S		Α

#### Explanation

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

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> Data Tips Explanation of terms Subscribe for system changes News

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-05-19 15:06:54 EDT

0.35 0.28 nadww01

USA.gov

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Click forNews Bulletins

Groundwater levels for the Nation

■ Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 323332104061201

72019

72019

72019

D

43.76

44.86

45.20

Minimum number of levels = 1

Tab-separated data

Graph of data

1977-12-15

1983-01-11

1994-03-03

Save file of selected sites to local disk for future upload

#### USGS 323332104061201 20S.29E.20.133

Eddy County, New Mexico
Latitude 32°33'33.1", Longitude 104°06'16.9" NAD83
Land-surface elevation 3,246 feet above NAVD88
The depth of the well is 63 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats** 

eselect period											
Date \$	Time \$	? Water- level date-time accuracy	? Parameter code	Water level, feet \$ below land surface	Water level, feet above \$pecific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
			7								
1965-12-07		D	72019	44.14			Р	Z			
1968-05-23		D	72019	47.39			Р	Z			
1971-02-08		D	72019	44.38			1	Z			
1976-12-08		D	72019	44.30			1	Z			

Z

Date \$	Time \$	? Water- level date-time accuracy	? Parameter  code	Water level, feet below land surface	Water level, feet above \$pecific vertical datum	Referenced vertical \$ datum	? Status	?  Method of measurement	? Measuring \$\frac{\frac{1}{2}}{2} agency	? Source of measurement	? Water- level \$ approval status
1999-02-24		D	72019	44.98			1	S	USGS	S	
2015-12-16	23:00 UTC	m	72019	42.92			1	S	USGS	S	

Fxn	lanation

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

Questions about sites/data?
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2023-05-19 15:07:50 EDT

0.35 0.28 nadww01

USA.gov

### Appendix B Field Data & Soil Profile Logs



Date:	1.	2	5	-23	

Project: Foxhole Tank Farm

-104.123214 Project Number: 17464 Latitude: 32.546284 Longitude:

PID/Odor	1.308.500	
1		
	2112-500	
193	1500-452	
_	2112-1968-1308-1664-912-134	-0+4676·2444
-	1220-200	
-	5.462.2272.912.	
	2272.984.328	
	3120-1308	
-	1308.1968	
-	3628-1604	
	2444-1604	
-	1500-1716	
	368	
-		
_	500	
	660.368	
-	716.260	~
-		
Contraction .		By Poly line Retend Battery
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_	716.500	
-	328	
_	228	
	200	
_	292	
	228	
_	200	
_	452	
	368	
	660	
	292	
	328	
	328	
	Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b
	Refusal = SP #1 @ 4'-R	Stockpile = Stockpile #1
	Soil Intended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Area
		- 1220.300 - 5462.2272.912 2272.934.328 - 3120.1308 - 1308.1968 - 3628.1604 - 1500.1716 - 604.500 - 368 - 360 - 500 - 600.368 - 716.260 - 372 - 500 - 1303.604.403 - 1716.500 - 328 - 200 - 292 - 328 - 368 - 660 - 292 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328 - 328

Date:

Project: Foxhale Tank Faim

Project Number:

Latitude: 32.546 284 Longitude: -104.123214

Sample ID	PID/Odor	Chloride Conc.	GPS
FS 13 = 2		552	
FS14e2		452	
FS 1502'		452	
FS 16 26 1	_	780	
FS 1702		148	
FS 18e2'		292	
F\$ 14 62 7.5		328	
		552	
	24.00	552.	
ES 12 @ 7 3.	3	5 5 2 -	
15 23 2 2 11		408	
FS 24 A7 3.9		552	
5 25 @ 7 2.8	1	328	
5576@7 3.6		500	
52707 3.0		368	
SW10 2.5		328	
528@2 3.6	1	452	
NM3 5.0		760	-
1,29 @ 2 7.4		260	
5 w z 2 4		260	
F530 @2 3.0		3(8	•
5903 3.2		408	
5W4 3.		408	
5W5 7.9		328	
	8 =	328	
	2 =	408	
WW5 3.		552	
531 6 2 3.	1	408	
FS 32 Q Z 3.	2 _	408	
[533 Q Z . 3.	7	1908	
1534 @ 2 3.	9	552	
S 35 @ 2 3.	0	368	
5 36 6 7 2.	6 -	328	
537 @ Z 2.		328	
538 a z 2 539 a z Z		260	
339 2 2 2	8	328	

Received by OCD: 1.



# still need

# Sample Log

Date:

Project:			
Project Number:	Latitude:	Longitude:	

Samp	le ID	PID/Odor	Chloride Conc.	GPS
1340 @ Z	2.8	-	328	
34162	1.8		172	
BULEZ	2.2		228	
rs 43@2	2.4	-	260	
5 44@2	7.8		328	
FS 45 @ 2	2.2		228	
FS 46 @ 2	3.8		552	
FS 4762	3.2		408	
FS 4882	3.0		368	
FS 49 @ ?	3.4		452	
FS 50 @ 2	2.6		292	
es 21 6 5	2,2		228	
E 255 53	1.4	-	124	
B 57 8 2	2.2	-	218	
5W7	1.4		129	
WWZ	2.2		228	
5W8	HS 50		4354.	
5				
NWIG	HS 415		3116	
NWILL	3.5		5.52	
SWB	2.8		328	
F3 54 82	5.8		328	
FS 55 ez	2.4	-	760	
F5 56 @2	2.4	-	260	
FS 57 @2	5.8		328	
F558 @ 2	3.8		557	
K 59 82	3.8		557	
75 60 PZ	3.4		452	
561 @ 2	3.4	-	452	
362 € 2	3.8		552	
363 6 2	3,2	-	4	
5 64 6 2	2.8	-	3/8	
5 65 6 2	3.0	-	348	
1 66 @ 2	3.0		368	
5 67 8 2	3.0		369	
Sample Point =	SP #1 @ ## etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b
Floor = F	L #1 etc		Refusal = SP #1 @ 41-R	Stockpile = Stockpile #1
Sample Point = Floor = F Sidewail =	SW #1 etc		Soil Intended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Areas

	4"
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Date:	
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Longitude: Latitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
F5 68 3 7 2	. 8	35%	*
FS 69 @ 1 3.		500	
F5 70 10 2 3.		452	
FS 71 7 2 2.		318	······································
172 2 3.		368	
c: 73 1 2	3	368	
6 74 9 2.	8	328	
75 7 3		\$ f	
36 76 2	E	3,	
5 77 6 7 - 2		228	
FS 78 @ 2 S.	6		
6 79 6 2 5.		100 - 100 -	
6 80 0 7 4			-
8182 4	2.		
es 16 @ 2 2.		324	
F5 78 @ U 2.	š —	292	
37984 3.		368	ŧ
FS 80 @ 3 3.	0 -	368	
5 81 63 3.	0 -	368	
W46 2.	8 -	328	
NW5	8	328	
NW6		368	
382 82 3.	0 -	368	
5 83 Q2 3.	0 -	348	
5 84 (a) 2 3.		500	
5 85 ( L 3.		518	
FS 86 @ 2 3.	9 -	452	
3-87 Fi 2 3	2 _	408	
F5 88 & 2 3	2 -	408	
	2 -	1468	
() 90 m 2 6	0 -	1308	
93 91 6 2 1	6 -	1604	
NW 15 3.	0 -	368	
WW7	2 -	408	
	0 -	368	
39202 3.		408	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidawali = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 41-R

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

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

Stockpile = Stockpile #1



Date:	

Project:

Foxhole Tank Farm

Project Number:

17464

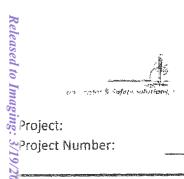
Latitude:

32.546284

Longitude:

-104.123214

Sample	D	PID/Odor	Chloride Conc.	GPS
593 @ 2	2.8		852	
394 @2	2.8		328	
595 @ 7	3.0	-	368	
5 96	3.2		408	
5 97			408	
5 98 = 2	3.2		408	
4 99 B7	2.8		328	
5W 11	7.6	CELEBORIES.	2,271	
5W11	4.8	- Spanisher	844	
=100 EZ	3.2		408	
1 01 62	g		328	
510262	1.8		326	
109 A Z	1.8		318	
5164 PZ	3.0		369	
15105e2	2.4	-	760	
99 83 .	3.6		500	
6 40 3	3.4	-	452	
F6 91@3_	3.0	-	368	
SWII	3,8	distribution.	552	
FS 106 2 2	3.0		368	
1078 7.	2.4	-	260	
10=	3.2		403	
1/09 1	3.0		365	
411002	2,0		368	
411182	3.2		408	
3112 0 2	3.4	-	452	
4 113	3.2	-	राव्य	
5 1143 2	3.0		266	
F6115 & 7	7.8	*	328	
9116 2 2	7.4		452	
F8 /17 7 2	2.9	-	328	
€ 1180 2	3.0		368	
FS / 19 6 -	3.4	-	452	
5/20 @ 2	28		328	
थारा ७ र	2.8		318	
512262	3.6		368	
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 Area



27%	
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1711	71 <b>5</b> C.t.

Longitude: Latitude:

72024	Sample II	)	PID/Odor	Chloride Conc.	GPS
4 /.	F5 123 @ 2	3.8		328	
-	WW8	3.2	**************************************	1/08	
1	FS 124@2	3.8	d) Charles and the Charles	552	
1	5 145 02	3.6	_activities and a second	500	
	FS 26 PZ	77 C	Maringare Street Street	55 2	
	FS 16 192	3.3	- STATE OF THE BOOK	500	
	FS 128 &Z	3.8	حالتهيست	552	
	FK 7462	3.8		552	
	FS 12002	3.2		Uo8	
_	13/82	3.0		368	
	13 /3/02 14/3. (02	3.8		552	
	FT BY 62	3.0		268	
1	61107	. 2	The state of the s	Uog	
	rs 35 82	3.8	The second secon	552 552	
	FS 136 @2	3.8		552	
	ES 137 @2	38		552	
	633832 Ce, 26 8	5. 8		55-2	
		3 \$		652	
	5 146 Z	3.8		557	
	ENU	30		568	
	EWS	30	Mary Mary Control	368	
_	TS141@2	2.8		328	
	F3 142@2	3.8		557	
	F5143@Z	3.6 3.8		500	
	F5144@4			552	
	FS145@4	28		328	
	FS146 @ 4	3.0		368	
	FS147@3	3.0		36 g	
	FS14883				
	65 149 8 3 65 150 8 2	<u>२</u> .श		328 328	
	ES 150 @ Z	3.0		<del></del>	
	5 52 EZ	3.2		368	
	FS 153 E 2	2.5		408 328	
		3.8		552	
		3.6			
	Fi 155 (2) 2	7.0		503	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = 11 #1 @ ##

Refusal = 59 #1 @ 4'-R

Soil intended to be Deferred = SP #1 @ 4' in-Situ

Resamples= 59 #1 @ 5b or SW #1b

Stockpile = Stockpile #1

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Imaging: Project:	FOX H	fale	Til					

EV Ude	•				Date:	
Project: Fox Hile Project Number:	1746	4	Latitude:		_Longitude:	
Sample ID	and the second of the second	PID/Odor		Chloride Conc.		др.s
F5156@2	3.6		500			
5112	3.0	Name of the last o	368			
WW9	7.8		328	•		
(a) ( ) ()	7 /2)		368			



# **Soil Profile**

					Date:	
Project:	Foxhole Tank Farn	n				
Project Nu		17464	Latitude:	32.546284	Longitude:	-104.123214
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Received by OCD: 11/30/2023 8:23:25 AM

Released to Imaging: 3/19/2024 7:47:22 AM

# Appendix C Photographic Log

**Photo Number:** 

1

**Photo Direction:** 

West

**Photo Description:** 



View of the excavated area.

**Photo Number:** 

2

**Photo Direction:** 

West

**Photo Description:** 



**Photo Number:** 

3

**Photo Direction:** 

East

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

4

**Photo Direction:** 

Northwest

**Photo Description:** 



**Photo Number:** 

5

**Photo Direction:**Southeast

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

6

Photo Direction:

South

**Photo Description:** 



Photo Number:
7
Photo Direction:
Southeast
Photo Description:

View of the excavated area.



Photo Number: 8 Photo Direction: Southwest

Photo Description:



**Photo Number:** 

9

Photo Direction: South

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

10

**Photo Direction:** 

East

**Photo Description:** 



**Photo Number:** 

11

**Photo Direction:** 

Southwest

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

12

**Photo Direction:** 

West

**Photo Description:** 



**Photo Number:** 

13

**Photo Direction:** 

East

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

14

**Photo Direction:** 

Southwest

**Photo Description:** 



**Photo Number:** 

15

**Photo Direction:** 

West-Southwest

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

16

**Photo Direction:** 

East

**Photo Description:** 



**Photo Number:** 

17

**Photo Direction:** 

South

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

18

Photo Direction:

East

**Photo Description:** 



**Photo Number:** 

19

**Photo Direction:** 

Southeast

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

20

**Photo Direction:** 

Southwest

**Photo Description:** 



# Appendix D Laboratory Analytical Reports



January 30, 2023

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

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 01/26/23 15:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To:

Received: 01/26/2023 Sampling Date: 01/26/2023
Reported: 01/30/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

#### Sample ID: SW 1 (H230385-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keine



Sample Received By:

01/26/2023

Tamara Oldaker

#### Analytical Results For:

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

Received: 01/26/2023 Sampling Date:

Reported: 01/30/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE

#### Sample ID: EW 1 (H230385-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/26/2023 Sampling Date: 01/26/2023

Reported: 01/30/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE

ma/ka

#### Sample ID: EW 2 (H230385-03)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/26/2023 Reported: 01/30/2023

FOXHOLE TANK FARM

Project Name: FOXHC Project Number: 17464

Project Location: MEWBOURNE

Sampling Date: 01/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: WW 1 (H230385-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B		/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2023	ND	179	89.7	200	4.20	
DRO >C10-C28*	<10.0	10.0	01/27/2023	ND	187	93.5	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	01/27/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/26/2023 Sampling Date: 01/26/2023

Reported: 01/30/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE

mg/kg

#### Sample ID: NW 7 (H230385-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	179	89.7	200	4.20	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	187	93.5	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/26/2023 Reported: 01/30/2023

Project Name: FOXHOLE TANK FARM

Project Number: 17464
Project Location: MEWBOURNE

Sampling Date: 01/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: NW 8 (H230385-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	179	89.7	200	4.20	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	187	93.5	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/26/2023 Reported: 01/30/2023

FOXHOLE TANK FARM

Project Name: Project Number: 17464

Project Location: **MEWBOURNE**  Sampling Date: 01/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: NW 9 (H230385-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	71.5-13	4						
Chloride, SM4500Cl-B mg/kg		Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	179	89.7	200	4.20	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	187	93.5	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	6 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/26/2023 Reported: 01/30/2023

FOXHOLE TANK FARM

Project Name: Project Number: 17464

Project Location: **MEWBOURNE**  Sampling Date: 01/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: NW 10 (H230385-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	179	89.7	200	4.20	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	187	93.5	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/26/2023 Reported: 01/30/2023

FOXHOLE TANK FARM

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE

Sampling Date: 01/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: NW 11 (H230385-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	< 0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 % 71.5-13		4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	179	89.7	200	4.20	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	187	93.5	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



#### Analytical Results For:

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

Received: 01/26/2023 Reported: 01/30/2023

Project Name: FOXHOLE TANK FARM

Project Number: 17464 Project Location: **MEWBOURNE**  Sampling Date: 01/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: NW 12 (H230385-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53	
Total BTEX	<0.300	0.300	01/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/27/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	179	89.7	200	4.20	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	187	93.5	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					
Surrogate: 1-Chlorooctane	102 9	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keine



#### **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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Celeg D. Freene

Released to Imaging: 3/19/2024 7:47:22 AM

Page 13 of 13

# ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Routine

Company Name:	Etech Environmental & Safety Solu	tions,	Inc.							1	3/1	LTO		1				A	NAL	YSI	SR	EQL	JES"	Г			
Project Manager	: Lance Crenshaw							P.C	). #:							T		1			T	T					
Address: 2617 W Marland					Company Menbourne					1																	
City: Hobbs State: NM Zip: 88240					Att	n:	Te	4	Bree	m													1				
Phone #: (575	) 264-9884 Fax #:							Ade	dres	s:4	801	Busines	n Pek B	rd											- 1		
Project #: /7	464 Project Owne	r:M	e h	L.	nu c	10		Cit	y: }	to	11	r					_									1	
Project Name:	Foxhole Tank Form	-				"		Sta	te:	NA	1 :	Zip: XX	240		€ W		0										
<b>Project Location</b>								Pho	one	#65	73	1605-	240	Chloride	TPH (8015M)		80										
Sampler Name:	Eric Mojica	-				_		Fax	(#:	_			0100	善	H		4	1									
FOR LAB USE ONLY	- Pre ringites	-			M	ATRI			PRE	SEF	RV.	SAMPL	NG	1	무	BTEX (8021B)											
Lab I.D. H23038S	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / 600F	OTHER:	DATE	TIME														
1	341	C	1		J					1	٦	1-26-23		1	V	1,											
2	EWI	C	Ī		1					1	1		y	V	V	1	1										
3	EW2	C	1		1					1				V	V	1											
Y	WWI	C	1		1					1				1	1	V											
5	NW7	C	1	,	1					1				V	1	1											
4	NW 8	C	1		V			1		1				1	V	1	/				_						
7	NW9	C	1		V	-				1				V	V	1		-			-	1	-	_			
8	NW 10	C	1		y	1				1				V	V	,					-	-	1				
9	NWII	C	Щ		1	-				V				V	V	1	4	-			-	-	-	-	_		
PLEASE NOTE: Liability and	NW12	C	Ш		V					<b>V</b>			d by the affect to	V	V												
enstyses. All claims including service. In no event shall Ca	d Damages. Cardinal's liability and client's exclusive remody for githous for negligence and any other cause whatsower shall be urdinal be liable for incidental or consequental damages, including out of or related to the performance of services hereunder by the contract of the contract	deemed g withou Cardinal	waive t limita regan	d unler tion, bu	e made nines i f wheth	in write	ting and ptions, i	recei loss of	use, or	Cardi r loss	nat will of pro	thin 30 days after fits incurred by	r completion of dent, its subeidi	the applications, isse.  esult!  Ilt:		res res	O N	0 1		Phone Fax #:							
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FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



February 01, 2023

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

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 01/27/23 16:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

I dx

Received: 01/27/2023 Sampling Date: 01/27/2023

Reported: 02/01/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

#### Sample ID: NW 1 (H230420-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.87	93.6	2.00	2.24	
Toluene*	<0.050	0.050	01/31/2023	ND	2.11	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.07	103	2.00	2.16	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.82	
Total BTEX	<0.300	0.300	01/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/31/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

FOXHOLE TANK FARM

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE

Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: NW 2 (H230420-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.87	93.6	2.00	2.24	
Toluene*	<0.050	0.050	01/31/2023	ND	2.11	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.07	103	2.00	2.16	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.82	
Total BTEX	<0.300	0.300	01/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 % 71.5-13		4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/31/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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#### Analytical Results For:

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

Analyzed By: JH

Received: 01/27/2023 Reported: 02/01/2023

02/01/2023 FOXHOLE TANK FARM

mg/kg

Project Name: FOXHO Project Number: 17464

Project Location: MEWBOURNE

Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: NW 13 (H230420-03)

BTEX 8021B

DILX GOZID	ıııg,	K9	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.87	93.6	2.00	2.24	
Toluene*	<0.050	0.050	01/31/2023	ND	2.11	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.07	103	2.00	2.16	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.82	
Total BTEX	<0.300	0.300	01/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 14

Received: 01/27/2023 Reported: 02/01/2023

FOXHOLE TANK FARM

ma/ka

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE

Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: WW 3 (H230420-04)

RTFY 8021R

BIEX 8021B	mg	/ Kg	Analyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/31/2023	ND	432	108	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

Project Name: **FOXHOLE TANK FARM** 

Project Number: 17464

Project Location: **MEWBOURNE**  Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: SW 3 (H230420-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Celey D. Keine



Sample Received By:

01/27/2023

Tamara Oldaker

#### Analytical Results For:

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

Received: 01/27/2023 Sampling Date:

Reported: 02/01/2023 Sampling Type: Soil Project Name: **FOXHOLE TANK FARM** Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: **MEWBOURNE** 

#### Sample ID: SW 9 (H230420-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 01/27/2023 Sampling Date: 01/27/2023

Reported: 02/01/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

#### Sample ID: FS 1 @ 2' (H230420-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

**FOXHOLE TANK FARM** 

Project Name: Project Number: 17464

Project Location: **MEWBOURNE**  Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: FS 2 @ 2' (H230420-08)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

Project Name: FOXHOLE TANK FARM

Project Number: 17464 Project Location: **MEWBOURNE**  Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: FS 3 @ 2' (H230420-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023

Reported: 02/01/2023

Project Name: FOXHOLE TANK FARM

Project Number: 17464
Project Location: MEWBOURNE

Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 4 @ 2' (H230420-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
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	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

FOXHOLE TANK FARM

Project Name: FOXHC Project Number: 17464

Project Location: MEWBOURNE

Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 5 @ 2' (H230420-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/27/2023 Sampling Date: 01/27/2023

Reported: 02/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE

mg/kg

#### Sample ID: FS 6 @ 2' (H230420-12)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Alldiyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Sample Received By:

01/27/2023

Tamara Oldaker

#### Analytical Results For:

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

Received: 01/27/2023 Sampling Date:

Reported: 02/01/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE

#### Sample ID: FS 7 @ 2' (H230420-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	178	88.9	200	1.75	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	169	84.3	200	0.413	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

FOXHOLE TANK FARM

Project Name: Project Number: 17464

Project Location: **MEWBOURNE**  Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: FS 8 @ 2' (H230420-14)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/27/2023 Sampling Date: 01/27/2023

Reported: 02/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Tamara Oldaker

Project Location: **MEWBOURNE** 

#### Sample ID: FS 10 @ 2' (H230420-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/27/2023 Sampling Date: 01/27/2023

Reported: 02/01/2023 Sampling Type: Soil

Project Name: **FOXHOLE TANK FARM** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: **MEWBOURNE** 

#### Sample ID: FS 11 @ 2' (H230420-16)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

Project Name: **FOXHOLE TANK FARM** 

Project Number: 17464 Project Location: **MEWBOURNE**  Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

#### Sample ID: FS 12 @ 2' (H230420-17)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/27/2023 Sampling Date: 01/27/2023
Reported: 02/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE

#### Sample ID: FS 13 @ 2' (H230420-18)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/27/2023 Reported: 02/01/2023

Project Name: **FOXHOLE TANK FARM** 

Project Number: 17464 Project Location: **MEWBOURNE**  Sampling Date: 01/27/2023

Sampling Type:

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Soil

#### Sample ID: FS 14 @ 2' (H230420-19)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	18						

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### Analytical Results For:

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

Received: 01/27/2023 Sampling Date: 01/27/2023

Reported: 02/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE

#### Sample ID: FS 15 @ 2' (H230420-20)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/27/2023 Sampling Date: 01/27/2023

Reported: 02/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 17464

Project Location: **MEWBOURNE** 

#### Sample ID: FS 17 @ 2' (H230420-21)

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 14

Received: 01/27/2023 Reported: 02/01/2023

FOXHOLE TANK FARM

Project Name: FOXHOL Project Number: 17464

Project Location: MEWBOURNE

Sampling Date: 01/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 18 @ 2' (H230420-22)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/31/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

	(575) 393	3-2326 FAX (575) 393-2	476			K.	ut	in	e											/	0+	J						
Company Name		nvironmental & Safety Solu		, Inc	à.						£	31L	L	TO						AN	ALY	/SIS	RE	QUE	ST			
Project Manager	Lance	Crenshaw							P.(	). #:								Г										
	7 W Marland								Co	mpa	ny/	Me	wb	041	10													
City: Hobbs		State: NM	Zip	: 88	240				Att	n:	Je	H	8,	00/	n													
Phone #: (575	5) 264-9884	Fax #:							Ad	dres	35.4	801	Busi	ilers	n PKB n	/												
Project #: \74	14	Project Owne	er: N	100	16	200	10		Cit	v:	Ha	1	25					1										
Project Name:	-axhale-	Tank Facon			V RUS	101			Sta	ite:	NM	1 :	Zip:	88	240		SM)		218	1								
Project Location		Total Control							Ph	one	#15	75	7)61	25-	240	원	801	1	80%									
Sampler Name:		loiica							Fa	x #:		_	1			Chloride	TPH (8015M)	1	BTEX (8021B)									
FOR LAB USE ONLY		-	T	T		M	ATR	_		_	SEF	₹V.	SA	MPLI	NG		F		18			1						
Lab I.D.	S	ample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE /-COOF- <	OTHER:	D/	ATE	TIME													
1	NM		C	1		V					1		1.27	-23		V	1		/									
3345	NW	2	C	1		1	1				1		/			V	V	1										
3	NW	13	C	1							1				1	V	V	,	/					_				
4	WW	3	C	11		1	1				1		/			V	/	1			1				-	-	-	-
5	5 W 3	3	C	11							1			>		1	V	1			1			-	-	-	-	-
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PLEASE NOTE: Liability or		nai's liebility and client's exclusive remedy for	any clai	im aris	ng wh	other be	sed in a	contract	or for	t shall	be lim	Bod C	the am	ount pai	by the client for	V	V	1	V						1			
analyses. All claims includi service. In no event shalf C affiliates or successors arial	ng those for negliger ardinal be lisble for ing out of or related t	nce and any other cause whatsoever shall b incidental or consequental demages, includ to the performance of services hereunder by	e deemi ng witho Cardina	ed wai est limb el, rega	red uni sellom, i ordinas	eas mad hysiness of whet	de in wa Intom	iling and plions, l	t rece	èred by f que, c	Capdi or loos	inal wi orq In	ithin 30 c	days after med by c	r completion of the dest, its subsidiar asons or otherwi	he applica ries, te.					200 200							
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Received by OCD: 11/30/2023 8:23:25 AM

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Page 25 of 27

# ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 East Marland, Hobbs, NM 882	240 D
(575) 393-2326 FAX (575) 393-24	176 Noutine

	(575) 393-2326 F/	AX (575) 393-24	76		1	OUT	IA	e											200	+3				
ompany Name:		THE RESERVE AND ADDRESS OF THE PARTY OF THE	-	Inc.						B	ILL	TO						ANA	LYS	IS R	EQUE	ST		
roject Manager	Lance Crens	142						P.C	D. #:			r												
Address: 2617	7 W Marland								mpa		Me	wbou	rre											
ity: Hobbs		State: NM	Zip:	8824	40			Att	n:	Jen	H	Brook	n	,										
Phone #: (575	5) 264-9884	Fax #:						Ad	dres	s/80	DIB	winess	PikAn					1						
Project #: 17	464	Project Owner	Me	Nb	ou,	Me			y: /	11 /	2							1						
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roject Location	1:			- 1						15-	-	115-	1908	Chloride	801	(80								
ampler Name:	Eric Movier							Fax	x #:		-			C P	H	E								
FOR LAB USE ONLY	)			T		MATR	IX		PRE	SERV	/-	SAMPLIN	IG		=	B								
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15	FS 10 02		C	1		1	-	000		1				1	1	1								
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18	FS13e2		C	1	_	1	_		,	<b>V</b>				V	V	1	-		+	-	-		-	-
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ARDINAL LABORATORIES

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environmen	tal & Safety Solut	ions	Inc							8/1	LL TO						ANA	LYSI	SRE	EQUE	ST			
Project Manage	r. Lance Cren.	shaw						P	.O. #	t:			t-												
	7 W Marland							С	omp	any	N.	enbou	ne	1											
City: Hobbs		State: NM	Zip:	882	240			A	ttn:	J.	A	Brook	n	1						1					
Phone #: (575	5) 264-9884	Fax #:	-					A	ddre	ss	Sar	Businer	P. KBle	1											
Project #: /7	464	Project Owner	r: M	01	hai	CAR			ity:	1	4	665	4121												
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Lab I.D.	Sample	I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOF	OTHER:	DATE	TIME												
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FORM-006 Revision 1.0

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February 02, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 01/30/23 16:38.

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

Cardinal Laboratories is accreditated 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.

Celeg D. Keens

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Applyand By 1H /

Received: 01/30/2023 Reported: 02/02/2023

02/02/2023 FOXHOLE TANK FARM

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 01/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 19 @ 2 (H230432-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	98.8	2.00	1.73	
Toluene*	<0.050	0.050	02/01/2023	ND	2.04	102	2.00	1.25	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.06	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	2.63	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



### Analytical Results For:

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

Fax To:

Received: 01/30/2023 Sampling Date: 01/30/2023

Reported: 02/02/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 20 @ 2 (H230432-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	98.8	2.00	1.73	
Toluene*	<0.050	0.050	02/01/2023	ND	2.04	102	2.00	1.25	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.06	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	2.63	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celeg & Freene



#### Analytical Results For:

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

Fax To:

Received: 01/30/2023 Sampling Date: 01/30/2023

Reported: 02/02/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 21 @ 2 (H230432-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	98.8	2.00	1.73	
Toluene*	<0.050	0.050	02/01/2023	ND	2.04	102	2.00	1.25	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.06	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	2.63	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Analyzed By: 1H /

Received: 01/30/2023

02/02/2023

Project Name: FOXHOLE TANK FARM
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 01/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 22 @ 2 (H230432-04)

Reported:

RTFY 8021R

BIEX 8021B	mg,	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	98.8	2.00	1.73	
Toluene*	< 0.050	0.050	02/01/2023	ND	2.04	102	2.00	1.25	
Ethylbenzene*	< 0.050	0.050	02/01/2023	ND	2.06	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	2.63	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Analyzed By: 1H /

Received: 01/30/2023

Sampling Date:

01/30/2023

Reported:

02/02/2023

ma/ka

Sampling Type:

Soil

Project Name:

RTFY 8021R

FOXHOLE TANK FARM

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sample ID: FS 23 @ 2 (H230432-05)

Result <0.050 <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit  0.050  0.050  0.050  0.150  0.300	Analyzed 02/01/2023 02/01/2023 02/01/2023 02/01/2023 02/01/2023	Method Blank  ND  ND  ND  ND  ND  ND  ND  ND	BS 1.98 2.04 2.06 6.28	% Recovery 98.8 102 103 105	True Value QC 2.00 2.00 2.00 6.00	RPD 1.73 1.25 1.30 2.63	Qualifier
<0.050 <0.050 <0.150 <0.300	0.050 0.050 0.150 0.300	02/01/2023 02/01/2023 02/01/2023	ND ND ND	2.04 2.06	102 103	2.00 2.00	1.25 1.30	
<0.050 <0.150 <0.300	0.050 0.150 0.300	02/01/2023	ND ND	2.06	103	2.00	1.30	
<0.150 <0.300	0.150 0.300	02/01/2023	ND					
<0.300	0.300			6.28	105	6.00	2.63	
		02/01/2023	ND					
104	% 71.5-13							
	/1.5-15	4						
mg,	/kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0	02/01/2023	ND	400	100	400	0.00	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
<10.0	10.0	01/31/2023	ND					
106	% 48.2-13	4						
116	% 49.1-14	8						
	Result 48.0 mg/ Result <10.0 <10.0 <10.0	mg/kg       Result     Reporting Limit       48.0     16.0       mg/kg       Result     Reporting Limit       <10.0     10.0       <10.0     10.0       <10.0     10.0       <10.0     48.2-13	mg/kg       Analyzed         Result       Reporting Limit       Analyzed         48.0       16.0       02/01/2023         mg/kg       Analyzed         Result       Reporting Limit       Analyzed         <10.0	mg/s       Analyzed Method Blank         Result 48.0       16.0       02/01/2023       ND         MS         Analyzed By: MS         Result Reporting Limit Analyzed Method Blank         <10.0	104 % 71.5-134         mg/ky       Analyzed By: GM         Result Reporting Limit Analyzed Nethod Blank BS         48.0 16.0 02/01/2023 ND 400         mg/ky       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS         <10.0 10.0 01/31/2023 ND 194	104 % 71.5-134         mg/ky       Analyzed By: GM         Result Reporting Limit Analyzed Dy: MS       Method Blank BS % Recovery         Result Reporting Limit Analyzed Method Blank BS % Recovery         <10.0	104 % 71.5-134         mg/ky       Analyzed By: GM         Result Reporting Limit Analyzed D2/01/2023 ND 400 100 400         48.0 16.0 02/01/2023 ND 400 100 400         mg/ky       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC         <10.0 10.0 01/31/2023 ND 194 96.8 200	104 % 71.5-134         mg/kg       Analyzed By: GM         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD         48.0 16.0 02/01/2023 ND 400 100 400 0.00         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD         <10.0 10.0 01/31/2023 ND 194 96.8 200 1.58

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Celey D. Keene



01/30/2023

Tamara Oldaker

#### Analytical Results For:

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

Sampling Date:

Received: 01/30/2023

Reported: 02/02/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464 Sample Received By:
Project Location: MEWBOURNE - CARLSBAD, NM

Sample ID: FS 24 @ 2 (H230432-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	98.8	2.00	1.73	
Toluene*	<0.050	0.050	02/01/2023	ND	2.04	102	2.00	1.25	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.06	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	2.63	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	'8						

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### Analytical Results For:

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

Received: 01/30/2023 Sampling Date: 01/30/2023

Reported: 02/02/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 25 @ 2 (H230432-07)

BTEX 8021B

DIEX GOZID	ıııg,	Kg .	Allulyzo	.u by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	98.8	2.00	1.73	
Toluene*	<0.050	0.050	02/01/2023	ND	2.04	102	2.00	1.25	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.06	103	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	2.63	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	136 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	148 9	% 49.1-14	8						

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### Analytical Results For:

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

 Received:
 01/30/2023
 Sampling Date:
 01/30/2023

 Reported:
 02/02/2023
 Sampling Type:
 Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464 Sample Received By: Tamara Oldaker
Project Location: MEWBOURNE - CARLSBAD, NM

Sample ID: FS 26 @ 2 (H230432-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	'8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 01/30/2023 Sampling Date: 01/30/2023

Reported: 02/02/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

#### Sample ID: FS 27 @ 2 (H230432-09)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/30/2023 Sampling Date: 01/30/2023

Reported: 02/02/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 28 @ 2 (H230432-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	141	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/30/2023 Sampling Date: 01/30/2023

Reported: 02/02/2023 Sampling Type: Soil

Project Name: **FOXHOLE TANK FARM** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: SW 10 (H230432-11)

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	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/01/2023	ND	400	100	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	02/01/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	128 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	141 9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Received: 01/30/2023

 01/30/2023
 Sampling Date:
 01/30/2023

 02/02/2023
 Sampling Type:
 Soil

Project Name: FOXHOLE TANK FARM
Project Number: 17464

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: NW 3 (H230432-12)

Reported:

very True Value QC RPD Qualifier
9 2.00 10.1
5 2.00 9.28
2.00 9.26
6.00 7.98
very True Value QC RPD Qualifier
0 400 0.00
very True Value QC RPD Qualifier
3 200 1.58
3 200 1.62
- ve

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Celey D. Keene



#### Analytical Results For:

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

Analyzed By: 1H /

Received: 01/30/2023 Reported: 02/02/2023

02/02/2023 FOXHOLE TANK FARM

Project Name: FOXHO Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 01/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 29 @ 2 (H230432-13)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 01/30/2023

01/30/2023Sampling Date:01/30/202302/02/2023Sampling Type:SoilFOXHOLE TANK FARMSampling Condition:Cool & Intact

Project Name: FOXHOLE TANK FARM
Project Number: 17464

Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: SW 2 (H230432-14)

Reported:

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	194	96.8	200	1.58	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	184	91.8	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	135	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	150	% 49.1-14	8						

## Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## Analytical Results For:

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

Analyzed By: 1H /

Received: 01/30/2023 Reported: 02/02/2023

02/02/2023 FOXHOLE TANK FARM

Project Name: FOXHO Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 01/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 30 @ 2 (H230432-15)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	219	110	200	7.19	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	212	106	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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01/30/2023

#### Analytical Results For:

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

Applyzod By: 1H /

Received: 01/30/2023 Reported: 02/02/2023

02/02/2023 Sampling Type: Soil

Project Name: FOXHOI
Project Number: 17464

FOXHOLE TANK FARM Sampling Condition: Cool & Intact

17464 Sample Received By: Tamara Oldaker

Sampling Date:

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

#### Sample ID: FS 9 @ 3 (H230432-16)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.96	97.9	2.00	10.1	
Toluene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.28	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.10	105	2.00	9.26	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.45	107	6.00	7.98	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	219	110	200	7.19	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	212	106	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 49.1-14	8						

## Cardinal Laboratories \*=Accredited Analyte

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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.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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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Page 19 of 20

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Etech Environmental & Safety So	lution	s, In	nc.			E	3/4	LL TO						ANALYSIS REQUES	T
Project Manage	: Lanc Crenshaw				P.	O. #:										
Address: 261	7 W Marland				Co	ompa	any /	M	ewbor	rn						
City: Hobbs	State: NM	Zip	: 88	8240	A	tn:	Te	f	( Brook	om						
Phone #: (575	5) 264-9884 Fax #:								0/ Bus /							
Project #: 174		ner:/	10	Wbourn		ty:										
Project Name:	Fox Hole Tank fo	rm			St	ate:	NA	17	Zip:			€W	218			
Project Location	Fox Hole Tank for 1: Rural Carlshal	-	V	M.		none					Chloride	801	80%			
Sampler Name:	Dominic C				Fa	ax #:					ਤ	TPH (8015M)	BTEX (8021B)			
FOR LAB USE ONLY		T	T	MATRIX		PRI	SEF	RV.	SAMPLI	NG	1	1	B			
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL ÖIL	OTHER:	ACID/BASE:	CE/COOL	OTHER:	DATE	TIME						
Di	FS 19@2	C	- 15				1	Ĭ	1 30 23		V	V	1			
2	F5 20@Z	C	1		T		1									
3	FS 21 @ Z	C					1						П			
	F5 22@Z	C	1				1	,								
5	F5 23@ Z	1	. 1				1		$\sim$							
6	F524@2		1				1	1	$\geq$							
7	F525@2	C					1		$\times$		1	1				
8	F526@2	C	1	1/			V		$\geq$		11	11	$\Box$			
9	F327@Z	C	1		1	1	1		$\geq \leq$		1	1	1			
10	F32862	10	- 1	1 7			V		$\simeq$	d but the effect fo	7	-	V			
analyses. All claims includi	nd Damages. Cardinal's liability and client's exclusive remeding those for negligence and any other cause whatsoever sho	d be deen	ned wo	alved unless made in writing a	nd rec	ceived by	y Cardi	inei v	vithin 30 days ofto	r completion of	he applica	dele				
affiliates or successors arisi	ardinal be liable for incidental or consequental damages, inc ing out of or related to the performance of services hereunde	by Cardin	nai, reg	gardiess of whether such clair	n is be	ased up	on any	of the	e above stated re	esons or otherw	50.			1 51-	TAJJII DE #	
Relinquished B	111 150	73		eived By:		/	M	11	1/2	Phone Re Fax Resu	it:			No No	Add'l Phone #: Add'l Fax #:	
1	Time: 4 3	8 2	2 (	1111/04/	1	1	de	1	Sell	REMARK	S:					
Relinquished B				eived By:	6				1							
	Time:	_				å				Diagon	, moil	rae4	o and	0000	of CoC to non-material	com
	: (Circle One) - Bus - Other: 5.52	J. C	و ا	Sample Cond Cool Intact Ves Y No	_		(		(ED BY:	Please (	ernall	result	s and	сору	of CoC to pm@etechenv	.com.

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Page 20 of 20

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## RDINAL LABORATORIES

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

Company Name	: Etech Environmental & Safety Solo	itions	s, In	C.				B	LL TO					ANALYSIS REQUEST
Project Manage	r: Lanc Crenshaw					P.	O. #:							
Address: 261	7 W Marland					Co	mpa	iny /	Newbou	rn				
City: Hobbs	State: NM	Zip	: 88	3240		At	tn: 🗮	réfl	Brod Brod	W/				
Phone #: (57	5) 264-9884 Fax #:								of Bus		1			
Project #: 17	464 Project Owne	r: /	10	WDOVI	m				05		-			
Project Name:	Fox hole Tank for Rural Carlsbad	~	n			St	ate:	NM	Zip:		۰	TPH (8015M)	BTEX (8021B)	
Project Locatio	n: Rural Carlshad		N	M.		Ph	one	#:			Chloride	801	(80	
Sampler Name:		ar	~	2			x #:				등	Ī	X	
FOR LAB USE ONLY		T	T		ATRIX		PRE	SERV	SAMPL	ING	1	F	B	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL	DATE	TIME				
DC 11	SWIO	C	Ti		1/			1	1 30 23		1	- 1	i	
12	NW3	C	1		1			1	X					
	FS 29@ Z	1	1		1			1	$\sim$					
14	5WZ	C	1					1	><					
15	F5 30 @ 2	C	1				Ш	1/	$\geq$		11		1	
16	F5 9@3	C	1		-	1		1	$\geq \leq$		V	V	W	
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PLEASE NOTE: Limbility a	nd Darmages. Cardina's liability and client's exclusive remedy for	any cla	m aris	ing whether bas	sed in contr	act or to	rt, shail t	be limited	to the amount pa	id by the client for	r the			
analyses. All claims includ	ing those for negligence and any other cause whatsoever shall be ardinal be Sable for incidental or consequental damages, includi	deem	ed wal	ved unless mad	lo in verting	and ruce	alved by	Cardinal	within 30 days alk	er completion of t	the applical	blo		
	ing out of or related to the performance of services hereunder by	Cardina	al, rega								ise.	□ Ye	e 1	□ No  Add'l Phone #:
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Relinquished B	y: Date:	R	ecei	ved By:										
	Time:									Please e	email r	esulte	s and	d copy of CoC to pm@etechenv.com.
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FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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



February 06, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 01/31/23 16:15.

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

Cardinal Laboratories is accreditated 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.

Celeg D. Keens

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 01/31/2023 Reported: 02/06/2023

FOXHOLE TANK FARM

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 01/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

## Sample ID: SW 4 (H230439-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

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#### Analytical Results For:

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

Analyzed By: JH/

Received: 01/31/2023 Reported: 02/06/2023 Sampling Date: 01/31 Sampling Type: Soil

01/31/2023

Project Name:

FOXHOLE TANK FARM

mg/kg

Sampling Condition:

Cool & Intact

Project Number:

BTEX 8021B

17464

Sample Received By:

Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: SW 5 (H230439-02)

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	75.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.4	% 49.1-14	8						

## Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: SW 6 (H230439-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	80.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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\*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

#### Sample ID: WW 4 (H230439-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Celey D. Keine



Tamara Oldaker

#### Analytical Results For:

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

Received: 01/31/2023 Reported: 02/06/2023

1/2023Sampling Date:01/31/20235/2023Sampling Type:SoilHOLE TANK FARMSampling Condition:Cool & Intact

Project Name: FOXHOLE TANK FARM
Project Number: 17464

Project Number: 17464 Sample Received By: Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: WW 5 (H230439-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 31 @ 2 (H230439-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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#### Analytical Results For:

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

Analyzed By: JH/

01/31/2023 02/06/2023

mg/kg

Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 01/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 32 @ 2 (H230439-07)

Received:

Reported:

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 33 @ 2 (H230439-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



#### Analytical Results For:

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

Received: 01/31/2023

> 02/06/2023 FOXHOLE TANK FARM

Project Name: Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 01/31/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

#### Sample ID: FS 34 @ 2 (H230439-09)

Reported:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 35 @ 2 (H230439-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	78.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 36 @ 2 (H230439-11)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 37 @ 2 (H230439-12)

RTFY 8021R

B1EX 8021B	mg/	ку	Allalyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 38 @ 2 (H230439-13)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



01/31/2023

Cool & Intact

Soil

#### Analytical Results For:

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

Received: 01/31/2023

Sampling Date: 02/06/2023 Sampling Type:

Project Name: FOXHOLE TANK FARM

Sampling Condition: Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 39 @ 2 (H230439-14)

Reported:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 40 @ 2 (H230439-15)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17	
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21	
Total BTEX	<0.300	0.300	02/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 41 @ 2 (H230439-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	99.0	2.00	1.15	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	0.684	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	0.991	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.62	110	6.00	1.26	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 01/31/2023

Sampling Date: 01/31/2023 02/06/2023 Sampling Type:

Project Name: FOXHOLE TANK FARM Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Soil

Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

#### Sample ID: FS 42 @ 2 (H230439-17)

Reported:

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	99.0	2.00	1.15	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	0.684	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	0.991	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.62	110	6.00	1.26	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/31/2023 Sampling Date: 01/31/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 43 @ 2 (H230439-18)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.98	99.0	2.00	1.15	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	0.684	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	0.991	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.62	110	6.00	1.26	
Total BTEX	<0.300	0.300	02/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	210	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	211	106	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

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Celey D. Keene



#### **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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Celeg & Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 3/19/2024 7:47:22 AM

## ARDINAL LABORATORIES

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

Company Name	: Etech Environmental & Safety	Solution	s, In	C.				. 1	3/1	LTO		1				ANA	LYSI	S RE	QUE	ST		
Project Manage	r: Lanc Crenshaw					P.	0. #	:														
Address: 261	7 W Marland					C	omp	any	ME	EW bour	n											
City: Hobbs	State: NA	Zi	: 88	240		A	tn:	Je	æ.	Broom	1	1					1					
Phone #: (57	5) 264-9884 Fax #:									1 Bus p		1										
Project #: ( 7	464 Project O	wner: /	New	Vbouvy	1		ity:					1 -										
Project Name:	Fox Hole TONK farm		10.				tate:	-	_				SM)	BTEX (8021B)								
Project Location		N:	M.				hone					문	301	80								
Sampler Name:	Dominic Casare					_	ax #:	_				Chloride	<b>TPH (8015M)</b>	EX	1							
FOR LAB USE ONLY	por title c	T	T	N	IATRIX		_	ESE	RV.	SAMPL	NG	1	1	8								
<b>Lab I.D.</b> H23&439	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	ita	/									
DC 1	SWH	C	1		1/					1-31-23		V	V	V	1							
2	5 W 5	(	1		1					1		1	1	1								
3	5Wb	C	1		1																	
4	WWY	0	1		V							11										
5	WW 5	C	1		V				1			1	1					-				
4	F531 82	(	1		V		1		1		-	1	11	$\sqcup$	-		_		-			
7	F32 @ 2	C	1		V				1	1		11	1	$\sqcup$	-	-		-	-			-
8	F533 @ Z	6	11		/	-	$\perp$		1	-	_	11	11	11	-	-	-	-	-			-
9	F5 34 @ 2	C	11	$\Box$	V	-	-		4	V	_	1	1	1	-	+	-	-	-	-	-	-
10	F335 @ Z nd Damages. Cardinal's liability and client's exclusive reme	U			V			1		the emount on	d but he offeet fo	1,	-	IV								
analyses. All claims includi	ng those for negligence and any other cause valuationerer arrival be liable for incidental or consequental damages, in ag out of or related to the performance of services hereum y:    Date: 131	trail to deem including with ler by Cardia R	ed wai out fimi al, regi ecei	ved unless ma bation, busines	do in writing s interruptio	end rec ns, loss	of use,	y Card or loss	nal will of proi	hin 30 days aft its incurred by	or completion of client, its subsidi-	the applica aries, ase. esult: ult:	U Ye		No No		Phone Fax #:					
	Time:		1/		ple Con	dition		CHE	CKI	ED BY:	Please	email	result	s and	сору	of Co	C to p	m@e	techer	ıv.com		
	- Bus - Other: 3.3c/	2.7	HE C	Coo	Yes 1	1	-		Initia													

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

# ARDINAL

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# ARDINAL LABORATORIES

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

Company Name	: Etech Environment	al & Safety Soluti	ons,	Inc	ř.					BIL	LL T	0						ANALYSI	S RE	QUES	T	
Project Manage	r: Lanc Crens	hav						P.O.	#:													T
Address: 261	7 W Marland							Com	pan	v W	1ew	o Our	n									
City: Hobbs		State: NM	Zip:	882	240			Attn:	56	eff 1	Broc	M										
Phone #: (57	5) 264-9884	Fax #:						Adde	noce	. (10)	0/130		Blus								- 1	
Project #: 17		Project Owner:	W	101	/ ha	-M	_	City:	14	dalla	5		DUC				1					
Project Name:	For Half Told	C - cut	,,	CH	000	-1	-	State				_			Î	<u>®</u>						
Project Lantia	Fox Hole Tank n: Rural Con Dominic	tarm	AI	11						-	Zip:	_		Chloride	<b>TPH (8015M)</b>	BTEX (8021B)						
Project Location	Bural Car	15 bad 1	VI	- 41			-	Phor			+			90	8)	(8)		1				
FOR LAB USE ONLY	Damini (1	asaver				MATR	IV	Fax	#:	EDVI	CAL	MPLIN	IC.	ō	臣	E						
FOR LAB USE ONLY			۵.		-	MAIR	IA	r	KES	ERV.	SAI	MPLIN	10		_	0						
Lab I.D. H230439	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER;	CE / COOL	дтнея:	DA	TE	TIME									
DC 11	FS 36 @ Z		C	1		V			1	1	1-31	23		V	V	V						
12	FS 37 @ 2		C	1		1	1	T	1	1	1			1	1	F						
13	FS 38 @ Z		1	1		1			1		1					$\Box$						
14	FS 39 @ 2		(	1		1			1													
15	FS 40 @ 2		(	1		1			1		1			1	1							
14	FS 41 @ Z		(	1		1			V					1								
17	FS 42 @ Z		1	1		1			1 0					1								
18	F3 43 @ 2		3	1		V			V		V			V	V	V						
analyses. All claims includi	2	cause whatsoever shall be di quental damages, including	Re	walve t limits regar Celv	ed unless II ation, busin	neade in we sees intern hether sur	illing and uplions, I	received one of us	d by Ca m, or lo	edinal w	ithin 30 du oliis incurr	ye after ed by cli aled ros	completion of the ont, its subsidiar sons or otherwise. Phone Re Fax Resultation of the otherwise subsidiary of the other subs	he applica rice, so. esult: lt: S:	□ Ye	es C	No No	Add'l Phone Add'l Fax #:		echeni	v com	
	: (Circle One) - Bus - Other: 3	.3c/2.	The To	413	Co	nple C ol In Yes [ No [	tact	-		(Initi	ED BY	•	10000		Journ			p				

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Released to Imaging: 3/19/2024 7:47:22 AM



February 06, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/01/23 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

A ... - b ... - d D. .. 711

Received: 02/01/2023

02/06/2023 FOXHOLE TANK FARM

Project Name: FOXHC Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/01/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 44 @ 2 (H230461-01)

Reported:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	66.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.4	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/01/2023 Sampling Date: 02/01/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 45 @ 2 (H230461-02)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/01/2023 Sampling Date: 02/01/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 46 @ 2 (H230461-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	80.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Received: 02/01/2023 Sampling Date: 02/01/2023

Reported: 02/06/2023 Sampling Type: Soil Project Name: FOXHOLE TANK FARM Sampling Condition:

Cool & Intact Sample Received By: Project Number: 17464 Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 47 @ 2 (H230461-04)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	74.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 02/01/2023 Sampling Date: 02/01/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 48 @ 2 (H230461-05)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	76.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.2	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Received: 02/01/2023

Sampling Date:

Sampling Type: Soil

Reported: Project Name:

FOXHOLE TANK FARM

02/06/2023

Sampling Condition:

Project Number: 17464 Sample Received By:

Cool & Intact Tamara Oldaker

02/01/2023

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 49 @ 2 (H230461-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	69.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.8	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Received: 02/01/2023 Sampling Date: 02/01/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 50 @ 2 (H230461-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.1	% 49.1-14	8						

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Celeg & Frence



# Analytical Results For:

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

Analyzed By: JH

Sampling Date:

02/01/2023

Reported:

Received:

BTEX 8021B

02/01/2023 02/06/2023

mg/kg

Sampling Type:

Soil

Project Name:

FOXHOLE TANK FARM

Sampling Condition:

Cool & Intact

Project Number:

17464

Sample Received By:

Tamara Oldaker

Project Location:

MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 51 @ 2 (H230461-08)

DILX GOZID	ilig/	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



Sample Received By:

02/01/2023

Tamara Oldaker

# Analytical Results For:

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

Received: 02/01/2023 Sampling Date:

Reported: 02/06/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 52 @ 2 (H230461-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	18						

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Celey D. Keine



# Analytical Results For:

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

Received: 02/01/2023 Sampling Date: 02/01/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 53 @ 2 (H230461-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Received: 02/01/2023

> 02/06/2023 **FOXHOLE TANK FARM**

Project Name: Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/01/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

# Sample ID: SW 7 (H230461-11)

Reported:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Fax To:

Received: 02/01/2023 Sampling Date: 02/01/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: WW 2 (H230461-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2023	ND	2.11	106	2.00	0.219	
Toluene*	<0.050	0.050	02/03/2023	ND	2.10	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	02/03/2023	ND	2.05	102	2.00	0.939	
Total Xylenes*	<0.150	0.150	02/03/2023	ND	6.24	104	6.00	1.00	
Total BTEX	<0.300	0.300	02/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	205	103	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	199	99.3	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					
Surrogate: 1-Chlorooctane	74.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

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Celey D. Keene



# **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  $6^{\circ}\text{C}$ 

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

# Received by OCD: 11/30/2023 8:23:25 AM

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# RDINAL LABORATORIES

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

Company Name	: Etech Environmental & Safety Solu	ions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manage	r: Lance Crenshaw		P.O. #:	
Address: 261	7 W Marland		Company Marbourn	
City: Hobbs	State: NM	Zip: 88240	Attn: Jeff Broom	
Phone #: (57	5) 264-9884 Fax #:		Address: 4801 Bus & Blad	
Project #: 17	464 Project Owne	: mew loven	city: Hobbs	
Project Name:	roject Location: (Vral Carls bad N-M.		State: NM Zip:	Chloride TPH (8015M) BTEX (8021B)
Project Location			Phone #:	Chloride PH (8015)
Sampler Name:			Fax #:	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	(Ĝ)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: CC / COOL OTHER: THER:	
17	FS 44 @ 2	C1 1	1 1 2.1.23	WWW III
2	F5 45 @ 2	21		
3	FS 46 @ 2	CIII		
4	FS 47 @ Z	CIIII	/ ' V	
5	F548 @ 2	CII		
1 6	154a @ 2	CI		
7	F3 50 @ 2	2 1		
8	651 6 V	C	1 2	
7	302 6	CI		
PLEASE NOTE: Linbilly a	nd Damages. Cardinal's liability and client's exclusive remedy for	ny claim arising whether based in contract	ct or tort, shall be limited to the amount paid by the client fo	rtho
analyses. All claims include service. In no event shall C	ing those for negligence and any other cause whatsoever shall be cardinal be liable for incidental or consequental demages, including ing out of or related to the performance of services hereunder by	deemed walved unless made in writing a p without limitation, busivess interruptions	nd received by Cardinal within 30 days after completion of t , loss of use, or loss of profits incurred by client, its subsidia	the applicable siec.
Relinquished B	Date: 7 1-23 Time: 4:30	Received By:	Phone Re Fax Result REMARK	esult:
	Time:	(	Please	email results and copy of CoC to pm@etechenv.com.
	: (Circle One) - Bus - Other: 2.9c/	#//3 Sample Condi	tion CHECKED BY:	

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Released to Imaging: 3/19/2024 7:47:22 AM

Page 15 of 16

Page 16 of 16

# E AI

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Lance Crenshav	P.O. #:	
Address: 2617 W Marland	Company MEW DOWN	
City: Hobbs State: NM Zip: 88240	Attn: Jeff Broom	
Phone #: (575) 264-9884 Fax #:	Address: 4801 Bus a Blud	
Project #17464 Project Owner: M&W bou	Attn: JEff Broom  Address: 4801 Bus p Blvd  City: Hobbs	
Project Name: Fox hole Tank farm	State: NM Zip:	13 3W
Project Location: Byval Carls box NM	Phone #:	807 807
Project Name: Fox hole Tank farm  Project Location: Ryval Carls bad NM  Sampler Name: Down of Casare 7	Fax #:	Chloride TPH (8015M) STEX (8021B)
FOR LAB USE ONLY	TRIX PRESERV. SAMPLING	
(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER	SLUDGE OTHER: ACID/BASE: OTHER: OTHER:	
DC 11 5W7 C1	1/ 7 1-23	NVN III
12 W W 2		
61		
CIL		
C 1		
61		
C		
C 1		
C (	/ '	
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service. In no event shall Cardinal be liable for inclinental or consequental demages, including without firefation, business affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of wheel	such claim is based upon any of the above stated reasons or otherwis	
Relinquished By: Date: 2.1.23 Received By:	Phone Re Fax Resul	:    Yes    No Add'l Fax #:
Time: 4.3 & Day 10	Arg / Solaton REMARKS	
Relinquished By: Date: Received By:	( Carrier	
Time:		
Cool	Condition CHECKED BY:	nail results and copy of CoC to pm@etechenv.com.
Sampler - UPS - Bus - Other: 2.9°/2.3°	S Yes VO	
5000000		

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



February 06, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/02/23 16:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

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

Fax To:

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

A ... - I. ... - d D. ... 311 /

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: NW 14 (H230483-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey & Keene



# Analytical Results For:

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

Received: 02/02/2023 Reported:

Sampling Date: 02/02/2023 02/06/2023 Sampling Type: Soil Sampling Condition: Cool & Intact

Project Name: FOXHOLE TANK FARM

Project Number: Sample Received By: Tamara Oldaker 17464

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

# Sample ID: SW 8 (H230483-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

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

Fax To:

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

# Sample ID: FS 54 @ 2 (H230483-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Applyzod By: 1H /

Received: 02/02/2023

Reported: 02/06/2023 Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

Sampling Date: 02/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

# Sample ID: FS 55 @ 2 (H230483-04)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	69.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

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Sample Received By:

02/02/2023

Tamara Oldaker

# Analytical Results For:

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

Received: 02/02/2023 Sampling Date:

Reported: 02/06/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 56 @ 2 (H230483-05)

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	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

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# Analytical Results For:

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

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 57 @ 2 (H230483-06)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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# Analytical Results For:

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

Fax To:

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 58 @ 2 (H230483-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
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	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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02/02/2023

# Analytical Results For:

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

Sampling Date:

Received: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 59 @ 2 (H230483-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Tamara Oldaker

# Analytical Results For:

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

Received: 02/02/2023 Reported: 02/06/2023

02/02/2023Sampling Date:02/02/202302/06/2023Sampling Type:SoilFOXHOLE TANK FARMSampling Condition:Cool & Intact

Sample Received By:

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 60 @ 2 (H230483-09)

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	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/03/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	188	94.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	198	99.2	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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# Analytical Results For:

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

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 61 @ 2 (H230483-10)

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	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 71.5-13	4						
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	02/03/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	194	96.9	200	4.19	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	188	93.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	67.5 %	% 48.2-13	4						

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# Analytical Results For:

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

Fax To:

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

# Sample ID: FS 62 @ 2 (H230483-11)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/03/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	194	96.9	200	4.19	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	188	93.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	70.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.3	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Received: 02/02/2023

02/06/2023

Project Name: FOXHOLE TANK FARM Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

# Sample ID: FS 63 @ 2 (H230483-12)

Reported:

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
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	02/03/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	194	96.9	200	4.19	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	188	93.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	66.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.6	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Fax To:

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 64 @ 2 (H230483-13)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/03/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	194	96.9	200	4.19	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	188	93.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	63.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.4	% 49.1-14	8						

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Celey D. Keine



Cool & Intact

Tamara Oldaker

# Analytical Results For:

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

Received: 02/02/2023

 02/02/2023
 Sampling Date:
 02/02/2023

 02/06/2023
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

Project Name: FOXHOLE TANK FARM
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sample ID: FS 65 @ 2 (H230483-14)

Reported:

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
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	02/03/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	194	96.9	200	4.19	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	188	93.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	63.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.2	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

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

Received: 02/02/2023

Reported: 02/06/2023 Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/02/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

# Sample ID: FS 66 @ 2 (H230483-15)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.10	105	2.00	11.2	
Toluene*	<0.050	0.050	02/04/2023	ND	2.13	107	2.00	13.2	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	12.8	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.35	106	6.00	13.9	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2023	ND	193	96.3	200	5.94	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	185	92.4	200	7.78	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Fax To:

Received: 02/02/2023 Sampling Date: 02/02/2023

Reported: 02/06/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

# Sample ID: FS 67 @ 2 (H230483-16)

BTEX 8021B

DILX GOZID	1119/	<u>ng</u>	Allulyzo	.u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2023	ND	2.09	105	2.00	10.1	
Toluene*	<0.050	0.050	02/04/2023	ND	2.06	103	2.00	9.46	
Ethylbenzene*	<0.050	0.050	02/04/2023	ND	2.00	100	2.00	9.50	
Total Xylenes*	<0.150	0.150	02/04/2023	ND	6.06	101	6.00	9.34	
Total BTEX	<0.300	0.300	02/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/03/2023	ND	448	112	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	02/03/2023	ND	193	96.3	200	5.94	
DRO >C10-C28*	<10.0	10.0	02/03/2023	ND	185	92.4	200	7.78	
EXT DRO >C28-C36	<10.0	10.0	02/03/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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Celeg & Freene



# **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. Keine

# AF.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

Company Name: Etech Environmental & Safety Sol		BILL TO	ANALYSIS REQUEST
Project Manager: Lance Crevishaw		P.O. #:	
Address: 2617 W Marland		Company Mew Lourn	
City: Hobbs State: NM	Zip: 88240	Attn: Teff brown	
Phone #: (575) 264-9884 Fax #:		Address: 4811 bus 13111	1
Project #: 17 464 Project Own	er: Mewbourn	city: Hobbs	
Project Name: Fox Mode Jank V Farm	5	State: NM Zip:	118 (3W)
roject Location: Rural Carbbad N.M. ampler Name: Daminic Casaret		Phone #:	Chloride TPH (8015M) BTEX (8021B)
Sampler Name: Dominic Casaret	11111	Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL	OTHER: OTHER: OTHER: OTHER: OTHER:	
DL I NW84	(1)	2.2.19	VVV
2 SW8	CI		
3 FS 54 @ 2	CIII		
4 F5 55 @ 2	(1)		
F5 56 P 2	CIV	1/1	
6 F3 57 @ Z	CIIV		
7 FS 58 @ 2	(1)		
8F5 59@ 2	CION	0	
9 15 60 8 2	(1)	1///	
10 F5 61 8 2	CI	1 1	4) N N
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remody is unalyses. All claims including those for negligence and any other cause whatboover shall be revice. In no event shall Cardinal be liable for incidestal or consequented damages, including the successors arising out of or related to the performance of services hereunder Date: 2-2-2  Time: Date: Time:	be deemed walved unless made in willing ling without limitation, business interruption y Cardinal, regardless of whether such cir	and received by Cardinal within 30 days either completion of m, tose of uses, or tose of profits incurred by client, its valuelia im is based upon any of the above stated reasons or others  Phone R  Fax Resu	the applicable tries, escult:
Delivered By: (Circle One)  Sampler - UPS - Bus - Other: 3.0c/c	Sample Condition Cool Intac	dition CHECKED BY:	email results and copy of coc to pint@etechenv.com.

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Released to Imaging: 3/19/2024 7:47:22 AM

Page 19 of 20

RDINAL LABORATORIES

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

CHAIN-OF-	CUSTODY	AND ANA	LYSIS	REQUEST

Company Name: Etech Environmental & Safety Solution	s, Inc.	BILL TO ANALYSIS REQUEST							
Project Manager: Lance Crenshaw		P.O. #:							
Address: 2617 W Marland		Company Mawbou	rn		1				
City: Hobbs State: NM Zip	o: 88240	Attn: Teff Bros							1
Phone #: (575) 264-9884 Fax #:		Address: 4801 BUS	BIVL						
Project #: 17464 Project Owner: //	new hown	city: Hobbs							
Project Name: Fox hole Tank farm	J. OV	State: NM Zip:		(WS	18				
Project #: 17464 Project Owner: 10 Project Name: Fox hold Tank farm Project Location: Rural Carlsbal N-V	n.	Phone #:	Chloride	TPH (8015M)	BTEX (8021B)				1
Sampler Name: Dominic Casavek		Fax #:	Chi	I	X			1	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLI		F	E				
Lab I.D. Sample I.D.	# CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	ACID/BASE: ICE / COOL OTHER:	TIME						
Dr 11 85 62 @ 2	1 /	W 2-223	1	1	9				I
12 F5 63 @ 2	1 1	1							
13 F5 64 Q 2 C	1	1							
14 83 65 @ 2	1 0	1		1					1
15 83 66 @ 2	1	1		1/					1
16 B 47 @ 2 C	1	1	T	V		+++			+
				-		4		-	+
				-	-	+	+	-	+
				-	-	+++	+++	-	+
LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any client	im arising whether based in contract	or tort, shall be limited to the amount pai	d by the client for the						
nalyses. All claims including those for negligence and any other cause whatsoover shall be deem ervice. In no event shall Cardinal be liable for incidental or consequental damages, including with	ed waived unless made in writing and	d received by Cardinal within 30 days alto	r completion of the applica	able					
filliates or successors arising out of or related to the performance of services hereunder by Cardin	eceived By:			□ Ye					
	eceived By:	many x							
Time:		1							
Delivered By: (Circle One)  Sampler - UPS - Bus - Other: 3.0c/3.4	Sample Condition Cool Intract Yes Yes	(Initials)	Please email	results	and cop	y of CoC to pm@	etechenv.com	l.	



February 07, 2023

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

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/03/23 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

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

Applyand By 1H /

Received: 02/03/2023

02/07/2023

17464

Project Number: Project Location: MEWBOURNE - CARLSBAD, NM

FOXHOLE TANK FARM

Sampling Condition: Sample Received By:

Sampling Date:

Sampling Type:

02/03/2023

Soil

Cool & Intact

Shalyn Rodriguez

Sample ID: FS 68 @ 2 (H230493-01)

Reported:

DTEV 0021D

Project Name:

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

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

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil Project Name: **FOXHOLE TANK FARM** Sampling Condition:

Cool & Intact Sample Received By: Project Number: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 69 @ 2 (H230493-02)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
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	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	108 :	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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# Analytical Results For:

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

Fax To:

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 70 @ 2 (H230493-03)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Sample Received By:

02/03/2023

Shalyn Rodriguez

# Analytical Results For:

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

Received: 02/03/2023 Sampling Date:

Reported: 02/07/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 71 @ 2 (H230493-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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# Analytical Results For:

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

Fax To:

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

# Sample ID: FS 72 @ 2 (H230493-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: **FOXHOLE TANK FARM** Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 73 @ 2 (H230493-06)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	109 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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#### Analytical Results For:

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

Analyzed By: 1H /

Received: 02/03/2023

02/07/2023

Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/03/2023

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

### Sample ID: FS 74 @ 2 (H230493-07)

Reported:

RTFY 8021R

B1EX 8021B	mg,	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	< 0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
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	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 75 @ 2 (H230493-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
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	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/03/2023

02/07/2023

**FOXHOLE TANK FARM** 

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

#### Sample ID: FS 76 @ 2 (H230493-09)

Reported:

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
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	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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# Analytical Results For:

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

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 77 @ 2 (H230493-10)

RTFY 8021R

BIEX 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	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
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	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 16 @ 2 (H230493-11)

RTFY 8021R

B1EX 8021B	mg	тд/кд		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PI	D 111	% 71.5-13	34						
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	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	18						
Surrogate: 1-Chlorooctane	96.9	% 48.2-13		ND					

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02/03/2023

#### Analytical Results For:

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

Received: 02/03/2023 Sampling Date:

Reported: 02/07/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Coo

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 78 @ 4 (H230493-12)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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02/03/2023

#### Analytical Results For:

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

Received: 02/03/2023 Sampling Date:

Reported: 02/07/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 79 @ 4 (H230493-13)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
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	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

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#### Analytical Results For:

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

Analyzed By: 1H /

Received: 02/03/2023

Reported: 02/07/2023 Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 80 @ 3 (H230493-14)

RTFY 8021R

BIEX 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	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-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	02/06/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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02/03/2023

Soil

#### Analytical Results For:

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

Received: 02/03/2023 Sampling Date: Reported: 02/07/2023 Sampling Type:

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 81 @ 3 (H230493-15)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/06/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/03/2023

Reported: 02/07/2023 Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/03/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: WW 6 (H230493-16)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	< 0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
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	02/06/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/03/2023 Sampling Date: 02/03/2023
Reported: 02/07/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: NW 5 (H230493-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
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	02/06/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Celey & Keene



Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

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

Received: 02/03/2023 Sampling Date: 02/03/2023
Reported: 02/07/2023 Sampling Type: Soil

Reported: 02/07/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: NW 6 (H230493-18)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.01	100	2.00	6.21	
Toluene*	<0.050	0.050	02/07/2023	ND	2.05	102	2.00	6.91	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	2.02	101	2.00	7.26	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	6.27	104	6.00	7.83	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
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	02/06/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/03/2023 Sampling Date: 02/03/2023

Reported: 02/07/2023 Sampling Type: Soil Project Name: **FOXHOLE TANK FARM** Sampling Condition:

Cool & Intact Project Number: Sample Received By: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: NW 4 (H230493-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2023	ND	2.05	103	2.00	4.97	
Toluene*	<0.050	0.050	02/07/2023	ND	2.03	102	2.00	4.78	
Ethylbenzene*	<0.050	0.050	02/07/2023	ND	1.98	99.1	2.00	5.86	
Total Xylenes*	<0.150	0.150	02/07/2023	ND	5.97	99.5	6.00	6.54	
Total BTEX	<0.300	0.300	02/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
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	02/06/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	184	92.1	200	5.57	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	185	92.4	200	6.81	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



#### **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

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY	AND	ANALYSIS	REQUEST	

Company Name: Etech Environmental & Safety Solutions, In	nc.	BILL TO	)	ANALYSIS REQUEST								
Project Manager: Lance Crenshav		P.O. #:										
Address: 2617 W Marland		Company Mew bi	vin									
City: Hobbs State: NM Zip: 8	8240	Attn: Jeff Br	00m									
Phone #: (575) 264-9884 Fax #:		Attn: Jeff Broom Address: URO/ BUS P BVI									1 1	
Project #: 17 464 Project Owner: M&	2W Bourn	City: Hobbs	10 10 10	1-0								
Project Name: Fox hole Tourk form		State: N Zip:			E	18						
Project Name: Fox hole Tank form Project Location: Rural Carls back No Sampler Name: Dominic Casarer	W	Phone #:		Chloride	TPH (8015M)	(8021B)						
Sampler Name: Dominal Casaver		Fax #:		암	E (8)	×						
FOR LAB USE ONLY	MATRIX		LING	0	T	ВТЕХ						
Lab I.D. Sample I.D. 888(6)	GROUNDWATER WASTEWATER SOIL SILUDGE				/							
D(1 B 68 @ 2 C1	V	N 23.7	2	V	V	V						
2 F5 69 @ 2					1	1						
3 85 70 @ 2												
4 F5 11 @ 2												
5 8 12 2				Ш	$\square$			_	-	+-+		
6 F3 73 6 2				$\square$				-	-	++		
7 83 74 6 2			-	H	H	-	-	-	+	+	-	-
8 F5 75 @ Z			-	H	H	-	-	-	+	++	-	-
9 F6 76 (0 Z			-	1	V	V		+	+	++	-	
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nalyses. All claims including those for negligence and any other cause whatsoever shall be deemed w ervice. In no event shall Cardinal be liable for incidental or consequental demages, including without lie	uived unless made in writing an mitation, business interruptions,	nd received by Cardinal within 30 days , less of use, or less of profits incurred	after completion of th by client, its subsidier	he applicab sies,	ble							
filliates or successors arising out of or related to the performance of services hereunder by Cardinal, re Relinquished By: Date: 2.7.23 Reco	gardless of whether such claim eived By:	n is based upon any of the above state	Phone Re	se.	☐ Yes	s 0	No A	dd'i Pho	ne #:		-	
1) . Fifty	C. O. dri	100 0 1	Fax Resul		□ Yes	s D	No A	dd'l Fax	#;			
1531	OLOCIA	inell	//Empd//	٥.								
Relinquished By: Date: Reco	eived By:											
Time:			Please e	mail n	esulte	and o	conv of	CoC to	ന്നത്ര	etechenv.	com	
Delivered By: (Circle One) 4.4:1 C.O.L.;	Sample Condi		1.50000		Joans	COTTON V	JPJ OI	300 11	p			
	Cool Intact Yes Yes	(Initials)					14.					
Sampler - UPS - Bus - Other: 38. #13	TI LES TI LE	/ 14/										

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# RDINAL LABORATORIES

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

Project Manager: Lance Crenshaw  Address: 2617 W Marland  City: Hobbs State: NM Zip: 88240  Phone #: (575) 264-9884 Fax #:  Project Will Project Owner: Mewbyrn  Project Name: Fox hole Tank form  Project Location: Rural Curls bad N.M.  Campler Name: Dunic Casarce  MATR	P.O. #:  Company Mewbow  Attn: Jeff Brow  Address: 4801 Bvs  City: Hob 5  State: NM Zip:  Phone #:	m	BTEX (8021B)	
City: Hobbs  State: NM Zip: 88240  Phone #: (575) 264-9884  Project #: 17 4/4  Project Owner: Mewbyrn  Project Name: Fox hole Tank form  Project Location: Rural Curl & bad N.M.  Sampler Name: Danie ( as a rel	Attn: Jeff Brod Address: 4811 Bus City: Hobb 5 State: NM Zip:	part	:1B)	
Project Name: Fox hole Tank form Project Location: Rural Curl S bad N.M. Sampler Name: Town C C S a r C L	Attn: Jeff Brod Address: 4811 Bus City: Hobb 5 State: NM Zip:	part	18)	
Project *: 17464 Project Owner: Mewbourn Project Name: Fox hole Tank form Project Location: Rural Curls bad N.M. Bampler Name: Danie Casarel	Address: 4801 Bus City: Hobb 5 State: NM Zip:	pBlock	218)	
Project Name: Fox hole Tank form Project Location: Rural Curls bad N.M. Sampler Name: Danie (asarel	City: Hobb 5 State: NM Zip:		(18)	
Project Name: Fox hole Tank form Project Location: Rural Curls bad N.M. Sampler Name: Dranic Casarch	State: NM Zip:	ride 015M)	18	1 1 1 1 1 1 1
sampler Name: Drinic ( Sarch		를 로		
sampler Name: Drinic ( Sarch			80	
	Fax #:	H 5	X	
		NG E	B	+ 1 1 1 1 1 1
(G)RAB OR (C)OMP  (G)RAB OR (C)OMP  # CONTAINERS  GROUNDWATER  WASTEWATER  SOIL	SUDDGE OTHER: ACID/BASE: ICE / COOL  OTHER:	TIME		
PC1 F5 16@2 C11 V	7 2.324	V	V	
12 B 78@4 CI			1	
13 65 79@4 (1)				
14 F5 86@3 [1]				
15 81@3				
10 WW6 C 1				
17. NWS 18 NW6			111	
18 NW 6 C 1			111	
19 11114	1 9 1	1	W	
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Delivered By: (Circle One)	ptions, lose of use, or lose of profits incurred by it claim is based upon any of the above stated of the condition CHECKED BY:	client, in subsidiaries, asons or otherwise.  Phone Result: Y Fax Result: Y REMARKS:	es 🗆 No	Add'l Phone #: Add'l Fax #:  of CoC to pm@etechenv.com.
FORM-006 Cardinal cannot access	Yes No		END 000 000	

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



February 08, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/06/23 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



02/06/2023

# Analytical Results For:

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

Sampling Date:

Received: 02/06/2023 Reported: 02/08/2023

Reported: 02/08/2023 Sampling Type: Soil Project Name: FOXHOLE TANK FARM Sampling Condition: Coo

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Applyand By 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 82 @ 2 (H230508-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.03	102	2.00	3.88	
Toluene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.05	102	2.00	4.44	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.30	105	6.00	4.34	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/06/2023

Sampling Date:

Reported: 02/08/2023 Project Name: FOXHOLE TANK FARM Sampling Type: Soil Cool & Intact

Project Number: 17464 Sampling Condition: Sample Received By:

Tamara Oldaker

02/06/2023

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 83 @ 2 (H230508-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.03	102	2.00	3.88	
Toluene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.05	102	2.00	4.44	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.30	105	6.00	4.34	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 84 @ 2 (H230508-03)

RTFY 8021R

B1EX 8021B	mg,	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.03	102	2.00	3.88	
Toluene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.05	102	2.00	4.44	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.30	105	6.00	4.34	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Tamara Oldaker

#### Analytical Results For:

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

Analyzed By: 1H /

Received: 02/06/2023 Reported:

Sampling Date: 02/06/2023 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Condition: Cool & Intact Sample Received By:

Sample ID: FS 85 @ 2 (H230508-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.03	102	2.00	3.88	
Toluene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	4.55	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.05	102	2.00	4.44	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.30	105	6.00	4.34	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keine



02/06/2023

Soil

#### Analytical Results For:

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

Received: 02/06/2023 Sampling Date:
Reported: 02/08/2023 Sampling Type:

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 86 @ 2 (H230508-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 87 @ 2 (H230508-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/07/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 88 @ 2 (H230508-07)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/07/2023	ND	400	100	400	3.92	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	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: NW 15 (H230508-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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02/06/2023

#### Analytical Results For:

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

Applyzod By: 1H /

Received: 02/06/2023

02/08/2023 Sampling Type: Soil
FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Sampling Date:

Project Name: FOXHO
Project Number: 17464

Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

#### Sample ID: WW 7 (H230508-09)

Reported:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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#### Analytical Results For:

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

Analyzed By: JH/

Received: 02/06/2023

 02/06/2023
 Sampling Date:
 02/06/2023

 02/08/2023
 Sampling Type:
 Soil

Project Name: FOXHOLE Project Number: 17464

FOXHOLE TANK FARM Sampling Condition: Cool & Intact
17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: EW 3 (H230508-10)

Reported:

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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02/06/2023

Cool & Intact

Soil

#### Analytical Results For:

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

Received: 02/06/2023

02/06/2023 Sampling Date: 02/08/2023 Sampling Type:

Analyzed By: 1H /

Sampling Condition:

Project Name: FOXHOLE TANK FARM

Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 92 @ 2 (H230508-11)

Reported:

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 93 @ 2 (H230508-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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02/06/2023

Soil

#### Analytical Results For:

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

Sampling Date:

Sampling Type:

Received: 02/06/2023 Reported: 02/08/2023

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 94 @ 2 (H230508-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	102 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 95 @ 2 (H230508-14)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 96 @ 2 (H230508-15)

RTFY 8021R

2.00 2.00 2.00 2.00 6.00	1.93 2.26 2.03 2.56	Qualifier
2.00 2.00	2.26 2.03	
2.00	2.03	
6.00	2.56	
rue Value QC	RPD	Qualifier
400	3.92	
rue Value QC	RPD	Qualifier
200	2.07	
200	1.15	
_		

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Celey D. Keine



#### Analytical Results For:

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

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 97 @ 2 (H230508-16)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: FS 98 @ 2 (H230508-17)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 02/06/2023 Sampling Date: 02/06/2023

Reported: 02/08/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 99 @ 2 (H230508-18)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	1.93	
Toluene*	<0.050	0.050	02/08/2023	ND	2.11	105	2.00	2.26	
Ethylbenzene*	< 0.050	0.050	02/08/2023	ND	2.08	104	2.00	2.03	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.28	105	6.00	2.56	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/07/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	204	102	200	2.07	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	197	98.3	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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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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RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 21 of 22

Released to Imaging: 3/19/2024 7:47:22 AM

(575) 393-2326 FAX (575) 393-24	76										A														
Company Name: Etech Environmental & Safety Solution	ons,	Inc						- "		BI	LL TO							ANA	LYS	IS F	REQU	JES'	T		
Project Manager: Lance Crenshaw							_	0. #	_																
Address: 2617 W Marland							Co	mp	any	W	lewbou	m													
City: Hobbs State: NM	Zip:	882	240				Att	n:	1	eff	· Bros	m				- 1									
Phone #: (575) 264-9884 Fax #:							Ad	dre	ss:	4	Bros 801 Bus	OBIVE													
Project #: 17 464 Project Owner:	W	en	100	VV	n		Cjt	y:	Ho	106	05				1-										
Project Name: Fox hole taux farm Project Location: Rural Carls bad No							Sta	ate:	1	M	Zip:		0	TPH (8015M)	DTEV (0034B)										
Project Location: Rural Carls bad No	m						Ph	one	#:				Chloride	801	00	9									
Sampler Name: Dominil Cosure2							Faz	x #:					등	Ä	) h	<									
FOR LAB USE ONLY				M.	TRU	X		PR	ESE	RV.	SAMPLI	NG		F	6										
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
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Z F3 83 8 2	C	1		1					1				1	1			,								
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Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

FORM-006

Revision 1.0

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## RDINAL LABORATORIES

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

Company Name: Etech Environmental & Safety Solu	tions,																								
Project Manager: Lance Crenshav							P.	0.1	k:																T
Address: 2617 W Marland											evk														
City: Hobbs State: NM	Zip:	882	240	1			At	itn:	5	of.	C' 72	500	m												
Phone #: (575) 264-9884 Fax #:							A	ddre	ess.	100	11 Bu	50	BIVE												
Project #: 17 464 Project Owne	r: M	ewi	1081	100			Ci	ity:	H	10	5	-1				-	1								
Project Name: FOX HOLP TANK for m							St	tate	N	n	Zip:			0	5M)	128									
Project Location: Rural Carlsbad N.M.								hon						Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name: Dominic Cashvell							Fa	ax#	:					흥	I	E									
FOR LAB USE ONLY				ñ	MATE	XIX		PF	RESE	RV.	SA	MPLI	NG	1	1	B									
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SILINGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DA	ATE.	TIME												
DC 11 FS 92@2	C	1			V			T		1	26	.23		Y	Y	1									
12 5 93 82	C	1			1	1					1														
13 8 94 82	C	-																							
14 FS 95 Q Z	1	1						I																	
15 P3 96 Q 2	C	l																							
16 83 97 @ 2	0	1			1						-							1							
17 FS 98 @ Z	(	1			1				L		1			11	Ц,					_	_	-			1
18 13 99 6 2	C	1	L		V	+	1	1	-	H	N			V	1	1	-	+	+	+	+	+	-	+	+
	+	-	H	H	+	+	+	+	+	$\vdash$	-		-	-	-	+	+	+	+	+	+	+	-	+	+
LEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for																		_		1	_				-
palyses. All claims including those for negligence and any other cause whatloover shall be included in no event shall Cardinal be liable for incidental or consequential damages, including littless or successors asising out of or related to the performance of services hereunder by Relinquished By:    Date: 7-6-2.     Time:   Date:	Cardinal Re	regar	ved	By:	ther su	ruption	s, lous m is be	of uses	or ton	s of proy of the	offits incurs a above s	stated re	sient, its subside	uios, iso. esult: ult: (S:		es	□ No □ No	Add	d'I Pho	#;	getec	thenv.	com.		
Delivered By: (Circle One)  Sampler - UPS - Bus - Other: 2.2 2 //			1		l dr					(Init	iale)		1												



February 13, 2023

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

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/07/23 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

A ... - I. ... - - I D. ... 311 /

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023
Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 100 @ 2 (H230527-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 101 @ 2 (H230527-02)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

## Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Project Number: Sample Received By: 17464 Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 102 @ 2 (H230527-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 103 @ 2 (H230527-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 104 @ 2 (H230527-05)

RTFY 8021R

BIEX 8021B	mg,	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/07/2023

Reported: 02/13/2023

Project Name: FOXHOLE TANK FARM

Project Location: MEWBOURNE - CARLSBAD, NM

17464

Sampling Date: 02/07/2023

Sampling Type: Soil Sampling Condition: Cool & Intact

Tamara Oldaker Sample Received By:

#### Sample ID: FS 105 @ 2 (H230527-06)

Project Number:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 89 @ 3 (H230527-07)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

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02/07/2023

Cool & Intact

Tamara Oldaker

#### Analytical Results For:

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

Received: 02/07/2023 Sampling Date:

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition:
Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 90 @ 3 (H230527-08)

BTEX 8021B	mg,	ĸy	Allalyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 91 @ 3 (H230527-09)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/09/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/07/2023

Reported: 02/13/2023 Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

#### Sample ID: SW 11 (H230527-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 106 @ 2 (H230527-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

## Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kune



#### Analytical Results For:

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

Fax To:

Received: 02/07/2023 Sampling Date: 02/07/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 107 @ 2 (H230527-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	2.04	102	2.00	2.19	
Toluene*	<0.050	0.050	02/11/2023	ND	2.09	105	2.00	3.15	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	2.07	103	2.00	2.44	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.37	106	6.00	3.62	
Total BTEX	<0.300	0.300	02/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/09/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2023	ND	187	93.7	200	5.09	
DRO >C10-C28*	<10.0	10.0	02/09/2023	ND	177	88.3	200	8.96	
EXT DRO >C28-C36	<10.0	10.0	02/09/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

## Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



#### **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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Celeg D. Freene

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	(575) 393-2326 FA		_	lee	-									_			ANIA	VCI	c Dr	OUE	CT	
Project Manage			uns,	HIC.			-	.0. #		9/L	L TO					1	ANA	LISI	3 KE	QUE	31	
	or: Lance Cren 17 W Marland	LSNAW					-		-				1									
	7 VV IVIAITATIO	04-4- 104		000	40						ewboo											
City: Hobbs			Zip:	6824	40		A	ttn: '	06	eff	Broc	21.01										
	5) 264-9884	Fax #:	A				A	ddres	ss:	48	of Bos	Blrd	,									
		Project Owner:				urn		ity:						_	8	1	1.					
Project Name:	Fox Hove To	rux form					S	tate:	N	M	Zip:		8	5M	21E		1			1		
Project Locatio	n: Rural Cou Domin	risbad 1	1-1	n -			P	hone	#:				Chloride	TPH (8015M)	BTEX (8021B)							
Sampler Name:	Domin	ic Casa	re	2	_		F	ax #:					당	Ĭ	X							
FOR LAB USE ONLY				T	. !	MATRIX	7	PRI	ESE	RV.	SAMPL	NG		F	B							
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	ACID/BASE:	ICE / COOL	отнея:	DATE	TIME	1				1					
DOI	FS 100 @2		C	1		1			V	77	27:23		1	V	V							
2	55 101 @2		0	1		1			1		1		1	1	1							
3	FS 102@Z		C	1		1			1	7												
4	FS 105@2		C	1		V			1	/												
5	F5 104 P2		C	1		1			1	7												
6	FS 105@2		0	1		1			1													
7	FS 89 @ 3		C	1		//			1	/												
8	ES 90 @ 3		6	1		1			1	/												
9	F5 91@3		C	1		//			-	/			1									
10	5W11		C	E.		/					0		A	V	V							
PLEASE NOTE: Libility a nankyses, All claims include service. In no event shall Cartillates or successors aris Relinquished B	Bus Ab	infs exclusive remedy for any sense whatsoover shall be deserted damages, including of services hereunder by Ca  Date: 2 7-23  Time:  Date: Time:	rdinal, r	imitation ogardical estate of the second of	unions m on, busine	ade in writing es interruption other such c	g and risk one, look	pelved by	y Corell	inal wit	hin 30 days afte	r complution of the filest, in substitute asserts or otherwise Phone Re Fax Resul REMARKS	sult:	□ Ye	es C	No No	Add'I	Phone Fax #:				
	: (Circle One) - Bus - Other:	? 7e/a.l	#11	3	Coo	ple Con Intac Yes 2 No 1	1 _			CKE	ED BY:	Please e	mail r	esults	s and	сору	of Co(	C to p	m@e	techer	iv.com.	

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

# RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Lance Crenghow	P.O. #:	
Address: 2617 W Marland	Company Mew bourn	
City: Hobbs State: NM Zip: 88240	Attn: Seff Broom	
Phone #: (575) 264-9884 Fax #:	Address: 4801 Bis o Blvd	
Project #: 17 444 Project Owner: MAN DOU /	Attn: SEFF Broom  Address: 4801 Bis p BlVd  h City: Hobb 5	
Project Name: Fox Hole Tourk form	State: N/ Zip:	58M)
Project #: 17 444 Project Owner: MONDOUY Project Name: Fox Hole Tour K fear Project Location: Rural Carlobal N.M.	Phone #:	Chloride TPH (8015M) BTEX (8021B)
Sampler Name: Down in Casare?	Fax #:	등 ( 표 ) 표
	TRIX PRESERV. SAMPLING	F 6
#CONTAINERS GROUNDWATER WASTEWATER SOU	QIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DC 11 PS 106 @ 2 C 1 1 1	V 7-125	
12 85 107 82	2723	
	0.19.00.00	
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made service. In no event shall Cardinal be liable for incidental or consequental demages, including without limitation, husiness		
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of wheth Relinquished By:    Date:   Received By:	r such claim is based upon any of the above stated reasons or otherwise	
Time: 0 /3/1/1	Fax Result REMARKS	Yes No Add'l Fax#:
1425 Juli	ETA VARION DE	4.
Relinquished By: Date: Received By:		
Time:	Please en	nail results and copy of CoC to pm@etechenv.com.
	e Condition   CHECKED BY:	in in the state of
	Intact (Initials)	1
ECONA COS	OLI NO T-	

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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February 13, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/08/23 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil Project Name: FOXHOLE TANK FARM Sampling Condition: Coo

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

A ..... I ..... . J D. ... 711

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 108 @ 2 (H230576-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	0.234	
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	0.802	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.97	98.5	2.00	0.378	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	5.96	99.3	6.00	0.587	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/10/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 109 @ 2 (H230576-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/10/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 110 @ 2 (H230576-03)

BTEX 8021B

DILX GOZID	11197	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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Celey D. Kreene



#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 111 @ 2 (H230576-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 112 @ 2 (H230576-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 113 @ 2 (H230576-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	81.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/08/2023

> 02/13/2023 FOXHOLE TANK FARM

Project Name: Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/08/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

#### Sample ID: FS 114 @ 2 (H230576-07)

Reported:

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	82.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 115 @ 2 (H230576-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	193	96.4	200	0.505	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	174	87.2	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	73.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.5	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 116 @ 2 (H230576-09)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/10/2023	ND	448	112	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	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	80.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 117 @ 2 (H230576-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
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	02/10/2023	ND	448	112	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	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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Tamara Oldaker

#### Analytical Results For:

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

Received: 02/08/2023 Reported: 02/13/2023

02/08/2023Sampling Date:02/08/202302/13/2023Sampling Type:SoilFOXHOLE TANK FARMSampling Condition:Cool & Intact

Sample Received By:

Project Name: FOXHC Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sample ID: FS 118 @ 2 (H230576-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	< 0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (Pl	D 101	% 71.5-13	34						
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	02/10/2023	ND	448	112	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	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	80.2	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	18						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	18						

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02/08/2023

Soil

#### Analytical Results For:

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

Received: 02/08/2023 Sampling Date: Reported: 02/13/2023 Sampling Type:

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 119 @ 2 (H230576-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 120 @ 2 (H230576-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-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	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	72.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 121 @ 2 (H230576-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
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	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 122 @ 2 (H230576-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	< 0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/10/2023	ND	448	112	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	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/08/2023 Sampling Date: 02/08/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 123 @ 2 (H230576-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2023	ND	2.05	102	2.00	4.88	
Toluene*	<0.050	0.050	02/12/2023	ND	2.04	102	2.00	4.77	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.99	99.4	2.00	5.75	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.08	101	6.00	4.59	
Total BTEX	<0.300	0.300	02/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/10/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	188	94.0	200	1.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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

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# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environment	al & Safety Solut	ions	, Inc							BIL	LL	TO						ANA	LYSI	SRE	QUE	ST			
Project Manage	F: Lance Cr.	enshaw						P.	O. #:				1													
Address: 261	7 W Marland							C	ompa	any	r	New	bou	- ^												
City: Hobbs		State: NM	Zip	: 88	240			At	tn:	J	et	ff (	Bri	sur					1							
Phone #: (57	5) 264-9884	Fax #:						A	ddres	55:	48	01 1	306	PAIN												
Project #: 17	464	Project Owner	:						ty:								-									
Project Name:	Fox hole n: Ruray Car	took far	n					St	ate:	N	ju.	Zip:	21,7712			TPH (8015M)	BTEX (8021B)	1				1				
Project Locatio	n: Rural Carl	Sbal NA	w.					PI	none	#:					Chloride	801	(8)									
Sampler Name:	Dominia	e Casar	e 7	2				Fa	эx #:						등	F	X			1						
FOR LAB USE ONLY						MA	TRIX	_	PRI	ESE	RV.	S	MPLH	NG .		F	100									
Lab I.D.	Sample I	.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL SI UDGE	OTHER:	ACID/BASE:	ICE / COOL	отнея:	D	ATE	TIME	1			1								
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8	FS 115 0 Z	-	(	1		U	1		1	V	/				11	11	$\mathbf{H}$	-	-	-	1	+	-			-
9	FS 114 @ 2		C	1	-	V	/	1	L	V		_	,		11.	1)	1	-	+	-	+-	+	-		-	-
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affiliates or successors aris	sing out of or related to the performance	of seniors becounder by (	Cardina	i, rega	dless of	whether								sons or otherw	ise.	□ Y		□ No	Add	Phone	n 46-					
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FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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

Page 20 of 20

## E A

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES

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

Company Name		nmental & Safety Solu	_	, Inc					BIL	LT	0	aire.					ANAL	YSIS	REQU	JEST		
Project Manager	r: Lav	ne Crenshau	/			F	.0.	Ŀ			1											
Address: 261	7 W Marland					C	omp	any	M	evk	20UV	n										
City: Hobbs		State: NM	Zip	882	240	A	ttn:	36	H	Br	00 11	Blud										
Phone #: (575	5) 264-9884	Fax #:			and the same of th	4	ddre	SS:	480	130	50	RIVA										
Project #:  7	464	Project Owne	r. //	101	NYDOGL	0	itv:	14	nh	26	1	-										
Project Name:	Fox hold	tank farm	1	,		5	tate:	NA	u;	Zip:		1		(WS	8							
Project Location	1: R.1501	Carly Bud A nil Casaver	In				hone						Chloride	TPH (8015M)	(8021B)							
Sampler Name:	Dhihi	All Cossesed				_	ax #						Ě	I	ВТЕХ							
FOR LAB USE ONLY	100-11	MIL (MOLE)	Г		MATRI	_		ESE	RV.	SAI	MPLI	IG.		5	BT							
Lab I.D.	Sam	ple I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	SLUDGE	ACID/BASE:	ICE / COOL	OXHER:	DA	TE	TIME					-p-					
DCI	ES 118	@ 2	0	ī	N		+	V	-	Z 8	-23		V	V	1							
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14	FS 121	62	C	1				1/	/													
15	F5 122	6 7	C	1	1/			1														
16	F5 123	8 2	C	1	1/			V		- 1												
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			1	1	1/			V			_		1	1	11						-	
			10	1	1			V		0			-	-	10							
enalyses All claims include service. In no event shall Co affiliates or successors arisk	ng those for negligence and ardinal be liable for incident ing out of or related to the pe	lifty and client's exclusive remedy for any other cause whatspower shall be all or consequental damages, including informance of services hereunder by	deeme g witho Cardina	od voniv ut limits if, rega	ed unless made in wit tion, husiness interru diess of whether such	ting and s ptions, los	s of use,	by Card or loss	final wi	Ithin 39 di Me incer	wys sifter rad by ci	completion of the completion o	ne applica ne, so						-			
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Delivered By:	: (Circle One)	Time:	#	113	Sample Co	onditio	n	CHI	ECK	ED BY	<i>f</i> :	Please e	email r	result	s and	сору	of Co	C to pm(	@etecl	nenv.co	om.	
Sampler - UPS		3.4c/2	3.8	s'e	Cool Int	act			(Initi	ials)			- 1				1					

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Received by OCD: 11/30/2023 8:23:25 AM

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February 15, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/09/23 16:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 02/09/2023 Reported: 02/15/2023

FOXHOLE TANK FARM

Project Name: Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/09/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 124 @ 2 (H230616-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 02/09/2023 Sampling Date: 02/09/2023

Reported: 02/15/2023 Sampling Type: Soil Project Name: FOXHOLE TANK FARM Sampling Condition:

Cool & Intact Sample Received By: Project Number: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 125 @ 2 (H230616-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

#### Analytical Results For:

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

Received: 02/09/2023 Sampling Date: 02/09/2023

Reported: 02/15/2023 Sampling Type: Soil Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Sample Received By: Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 126 @ 2 (H230616-03)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 02/09/2023 Sampling Date: 02/09/2023

Reported: 02/15/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 127 @ 2 (H230616-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/09/2023 Sampling Date: 02/09/2023

Reported: 02/15/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 128 @ 2 (H230616-05)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/09/2023 Sampling Date: 02/09/2023

Reported: 02/15/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 129 @ 2 (H230616-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/09/2023 Sampling Date: 02/09/2023

Reported: 02/15/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 130 @ 2 (H230616-07)

RTFY 8021R

B1EX 8021B	mg,	кg	Апатуге	а ву: ЈН/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Celeg & Frence



Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

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

Received: 02/09/2023 Sampling Date: 02/09/2023

Reported: 02/15/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: WW 8 (H230616-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	02/14/2023	ND	2.11	106	2.00	2.04	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.43	107	6.00	0.655	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	215	107	200	2.15	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	206	103	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

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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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Page 11 of 11

## RDINAL 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 Solu	tions	, Inc	C.						BI	LL	TO						ANA	LYSI	S RI	EQUE	ST			
Project Manage	r: Lance Crenshaw						_	P.O.				1									T				
Address: 261	7 W Marland						d	Com	pan	y /	n	PWK	ourn												
City: Hobbs	State: NM	Zip	: 88	240			1	Attn:	3	Set	Cf	Bro	om												
Phone #: (57	5) 264-9884 Fax #:			-				Addr	ess	: 4	80	1206	PRIVA												
Project #:	146U Project Owne	r: N	101	./ho	0110	0		City:		Ho	61	15	our p Blid												
Project Name:	14611 Project Owne Fox Hole Tank n: Rural Carls	Co	10	M		*	5	State	://	1/1	7Zij	p:	1		TPH (8015M)	BTEX (8021B)	1				,				
Project Location	n: Rural Corle	Spe	لم	1	1.h	1		Phor		-				Chloride	801	(80									
Sampler Name:	Dominic Co	25	C .	.6.	01	_		ax i						흥	Ī	X									
FOR LAB USE ONLY		T				TRIX		P	RES	ERV.		SAMPLI	<b>V</b> G	-	1	B									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL.	SLUDGE	OTHER:	ICE / COOL	OTHER:		DATE	TIME	*											
PC I	fs 124@7	C	0		1	1		T	1	1	2	.9.27		V	V	V									
a	FS 125 @ Z	C	1		-				-	1		1		1	(	1		Y							
3	FS 126 @ 2	C	1		1	1			1	1															
4	FS 1276 2	C	1		1	1			1							1					1				1
5	FS 128 @ 7	1	ſ		1			1	1		L				1	1)			-		-	-	_		-
4	FS 129 @ Z	C	1	$\vdash$	1	11	-	1	-	1	-	1		1		1	4	-	-	-	+	-		-	+-
1	FS 130 @ Z	C	1	-	-	-	-	+			-			-	1	-	-	+	-	+	+-	+	$\vdash$		+
Y	WW9	+	$\vdash$		+	$\vdash$	-	+	+	+	┞			$\vdash$			-	-	-	$\vdash$	+-	-	-	-	+-
		+			-		-	+	-	-	$\vdash$			-	-	$\vdash$	+	-	-	+	+	+	-		+-
PLEASE NOTE: Liebility a	and Damages. Cardinal's liability and client's exclusive remedy for	any clair	m adai	ing wheth	er base	d in conf	tract or	fort, sh	tell be	limited	to the	e amount paid	by the client for	the											
analyses, All claims includ	ling those for negligence and any other cause whatever shall be Cardinal be liable for incidental or consequental damages, includin	deeme	d wek	red unlee	s made	in writing	nend ri	noulved	by Co	ordinal v	within	30 days after	completion of th	ne applica	ble										
	y:  Date: 2. G-2.3  Time: 10.2	Re	cei		whethe									sult:	□ Ye		No No		Phone Fax #:						
	Time:												Please e	mail ı	esult	s and	CODY	of Co	C to p	m@e	eteche	nv.cor	n.		

FORM-006 Revision 1.0

Sampler - UPS - Bus - Other:

Delivered By: (Circle One) (). 421 C -0. 42

Received by OCD: 11/30/2023 8:23:25 AM

CHECKED BY:

Sample Condition

Cool Intact
Yes Yes

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



February 17, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/10/23 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Applyand By 1H /

Received: 02/10/2023 Reported: 02/17/2023

02/17/2023 FOXHOLE TANK FARM

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 132 @ 2 (H230653-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/15/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	181	90.7	200	0.478	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	184	91.9	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 02/10/2023 Sampling Date: 02/10/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 133 @ 2 (H230653-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/15/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	181	90.7	200	0.478	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	184	91.9	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keine



02/10/2023

Tamara Oldaker

#### Analytical Results For:

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

Sampling Date:

Sample Received By:

Received: 02/10/2023

Reported: 02/17/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 134 @ 2 (H230653-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	181	90.7	200	0.478	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	184	91.9	200	5.09	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received:

02/10/2023

02/17/2023 FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

#### Sample ID: FS 135 @ 2 (H230653-04)

Reported:

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
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	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 02/10/2023 Sampling Date: 02/10/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 136 @ 2 (H230653-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	< 0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/10/2023 Sampling Date: 02/10/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 137 @ 2 (H230653-06)

RTFY 8021R

Result	Reporting Limit							
	, J	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
<0.300	0.300	02/16/2023	ND					
106 9	% 71.5-13	4						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
64.0	16.0	02/15/2023	ND	432	108	400	3.64	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
<10.0	10.0	02/15/2023	ND					
93.9	% 48.2-13	4						
99.8	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300  1069 mg/ Result 64.0 mg/  Result <10.0 <10.0 <93.99	<0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300  106	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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#### Analytical Results For:

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

Received: 02/10/2023 Sampling Date: 02/10/2023
Reported: 02/17/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 138 @ 2 (H230653-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Sample Received By:

02/10/2023

Tamara Oldaker

#### Analytical Results For:

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

Received: 02/10/2023 Sampling Date:

Reported: 02/17/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 139 @ 2 (H230653-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg & Freene



Tamara Oldaker

#### Analytical Results For:

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

Received: 02/10/2023 Sampling Date: 02/10/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Name: FOXHOLE TANK FARM Sampling Condition:
Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 140 @ 2 (H230653-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 02/10/2023 Sampling Date: 02/10/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - CARLSBAD, NM

mg/kg

#### Sample ID: EW 4 (H230653-10)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.05	102	2.00	6.43	
Toluene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	6.24	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.00	100	2.00	6.56	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.02	100	6.00	6.61	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



Tamara Oldaker

#### Analytical Results For:

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

Received: 02/10/2023

Sampling Date: 02/10/2023 02/17/2023 Sampling Type: Soil Sampling Condition: Cool & Intact

Sample Received By:

Project Name: FOXHOLE TANK FARM Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sample ID: EW 5 (H230653-11)

Reported:

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	1.98	99.1	2.00	4.38	
Toluene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	4.22	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	4.73	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.30	105	6.00	4.75	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/10/2023 Sampling Date: 02/10/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 141 @ 2 (H230653-12)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	1.98	99.1	2.00	4.38	
Toluene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	4.22	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	4.73	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.30	105	6.00	4.75	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
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	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/10/2023 Reported: 02/17/2023

FOXHOLE TANK FARM

Project Name: Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/10/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

#### Sample ID: FS 131 @ 2 (H230653-13)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	1.98	99.1	2.00	4.38	
Toluene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	4.22	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.02	101	2.00	4.73	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.30	105	6.00	4.75	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	191	95.6	200	1.76	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	176	88.1	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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#### **Notes and Definitions**

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

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 16 of 17

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Etech Environmental & Safety Solut	_	Inc.							BI	L	LTO							ANA	LYS	IS R	EQU	EST			
Project Manage	- Lance Crenshaw							P.O.								T				T						
Address: 261	7 W Marland						c	Com	pan	y V	ne	N bock	n													- 1
City: Hobbs	State: NM	Zip:	882	240			1	Attn:	3	et	f	Broom	12													
Phone #: (57:	5) 264-9884 Fax #:						1	Addr	ess	: 4	80	1 645 1	o Blri													
Project #:  7	464 Project Owner	r: M	DIA	has	In	)		City:		40							_				1				1	
Project Name:	Fox hole Tonk farm	, ,	EVV	Nov				State		_			*1		€ N		19									- 1
Project Location								Phor		-				Chloride	TPH (8015M)		BTEX (8021B)									
Sampler Name:			-				F	ax i	Ø:			1		Ě	I		X									
FOR LAB USE ONLY					MAT	RIX		_		ERV	I	SAMPLIF	NG		1		8		Y							
Lab I.D. #230653	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	Or.	SLUDGE	OTHER:	ICE / COOL	OKHER:		DATE	TIME	1			/		è							
Del	FS 132 @ 2	C	1		V			T		1		1023		1	U	1	V			T						
Z	F5 133 @ 2	0	1		V	1			1	1	Г	1		1	1		1									
3	FS 134 CZ	C	1		V	/				1	Г										T					
4	fs 135@2	C	-1		V	/			1	1																
5	FS 136 @Z	C	1		V	,			V	1		1														
6	FS 137 Q2	C	1		V			1 1	V																	
7	FS 138 @ 2	C	1		V				V	1																
8	F5134 @ 2	C	1		V				V	1	L															
9	F5140 @ 2	C	1		V	/			L	N		1			1.1		1/									
10	EWY	C	1		V				1	/	L	U		A	A	1	W									
	nd Damages. Cardinal's liability and client's exclusive remedy for a ing those for negligence and any other cause whatsoever shall be arothest be tiable for incidental or consequental damages, including ing out of or related to the performance of services hereunder by C	deemed g without	wales Smital	d unless tion, bus	made in Ineas inte	writing	and m ms, loë	scalved is of up	by Co	udinal v	within	n 30 days situr locurred by cl	completion of the		bio											
Relinquished B	V: Date:			ed B				/	71	1	0	/	Phone Re					No No	-	Phon	_					
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	Time:	-									/															
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	: (Circle One)	#1	13	C	mple ool	mine	4	_	C	HECH (Init		D BY:	1													
Sampler - UPS	- Bus - Other: 4.6 2/4	10	C		Yes	P	Yes		7		0			4												
				-	140	-	140			7	-				-			_							 	

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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

Page 17 of 17

## ARDINA 101 East (575) 3

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#### ARDINAL LABORATORIES

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

Company Name: Etech Environmental & Safety Solutions,	Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: LANCE CYENSHOW		P.O. #:	
Address: 2617 W Marland		Company Men morn	
City: Hobbs State: NM Zip:	88240	Attn: JPFF Proom	1.
Phone #: (575) 264-9884 Fax #:		Address: 4801 1345 P B/C	
Project #: 17414 Project Owner: M	ewbourn	Company Meh 200 VN  Attn: Jeff Broom  Address: 4901 1305 p B/C  City: Hrps	
Project Name: Fox hole tank fa	rm	State: WM Zip:	(18) (3M)
Project Location: Rural Carlshad N	m	Phone #:	Chloride TPH (8015M) BTEX (8021B)
Project Location: Rural Carlshad M Sampler Name: Powini Casset	1_	Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D. 40884(5)  H230453  DC (1) Ew 5	# CONTAINERS GROUNDWATER WASTEWATER SOIL ON	OTHER: ACID/BASE: ACID/BASE: OTHER: OTHER:	
7 5 W 02			
72 F3 141 @2 C		1 21025	TP. P/13/P3
15 F5 101 ed			11.7.9
		(N = 12	
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Relinquished By: Date: Rec	eived By:	71// Phone Res	
1 1023 Times 92	huska	Fax Result REMARKS	
	eived By:	LUCIA AC	
7/10/73	erved by.		
Time: // [		Please el	mail results and copy of CoC to pm@etechenv.com.
Delivered By: (Circle One)	Sample Condition	on CHECKED BY-	
Sampler - UPS - Bus - Other: 4.6 c / 4.0	Cool Intact Yes Yes No No No	(miciais)	1
EOPM 006	I No I No	V	1

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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February 19, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/13/23 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 02/13/2023 Reported: 02/19/2023

FOXHOLE TANK FARM

Project Name: FOXHC Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/13/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 142 @ 2 (H230681-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
Toluene*	<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

02/13/2023 02/19/2023 Sampling Date:

02/13/2023

Reported: Project Name:

Received:

Sampling Type: Sampling Condition: Soil Cool & Intact

Project Number:

FOXHOLE TANK FARM

Sample Received By:

Tamara Oldaker

17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 143 @ 2 (H230681-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
Toluene*	<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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\*=Accredited Analyte

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Celey D. Keine



02/13/2023

Soil

#### Analytical Results For:

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

Analyzed By: 1H /

Sampling Date:

Sampling Type:

Received: 02/13/2023 Reported: 02/19/2023

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 144 @ 4 (H230681-03)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
Toluene*	<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS				0.247 1.48 1.61 1.78	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/13/2023 Sampling Date: 02/13/2023

Reported: 02/19/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 145 @ 4 (H230681-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
Toluene*	<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Analyzed By: 1H /

02/13/2023 02/19/2023

FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/13/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 146 @ 4 (H230681-05)

Received:

Reported:

RTFY 8021R

Project Name:

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
<0.300	0.300	02/18/2023	ND					
104	% 71.5-13	4						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
96.0	16.0	02/16/2023	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
<10.0	10.0	02/16/2023	ND					
96.1	% 48.2-13	4						
98.1	% 49.1-14	8						
_	<0.050 <0.050 <0.050 <0.150 <0.300  104 9  Result  96.0  mg/  Result <10.0 <10.0  96.1	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 To the second of the second	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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#### Analytical Results For:

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

Analyzed By: 1H /

Received: 02/13/2023

Sampling Date:

02/13/2023

Reported:

02/19/2023

Sampling Type:

Soil

Project Name:

RTFY 8021R

FOXHOLE TANK FARM

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

17464

MEWBOURNE - CARLSBAD, NM

Sample ID: FS 147 @ 3 (H230681-06)

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
Toluene*	<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Analyzed By: 1H /

Received: 02/13/2023 Reported: 02/19/2023

Project Name: FOXHOLE TANK FARM
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/13/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 148 @ 3 (H230681-07)

RTFY 8021R

B1EX 8021B	mg,	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
Toluene*	<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (P	PID 105	% 71.5-13	34						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	18						
Surrogate: 1-Chlorooctane	94.2	% 48.2-13		ND					

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 02/13/2023 Sampling Date: 02/13/2023

Reported: 02/19/2023 Sampling Type: Soil Project Name: FOXHOLE TANK FARM Sampling Condition: Coo

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 149 @ 3 (H230681-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.10	105	2.00	0.247	
Toluene*	<0.050	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/13/2023 Sampling Date: 02/13/2023

Reported: 02/19/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 150 @ 2 (H230681-09)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 02/18/2023	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	02/18/2023			•		IN D	Qualifiel
<0.050		02, 10, 2023	ND	2.10	105	2.00	0.247	
	0.050	02/18/2023	ND	2.12	106	2.00	1.48	
<0.050	0.050	02/18/2023	ND	2.09	105	2.00	1.61	
<0.150	0.150	02/18/2023	ND	6.33	105	6.00	1.78	
<0.300	0.300	02/18/2023	ND					
103	% 71.5-13	4						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	02/16/2023	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
<10.0	10.0	02/16/2023	ND					
90.4	% 48.2-13	4						
90.9	% 49.1-14	8						
	<0.150 <0.300  103 9  Result 32.0  mg/  Result <10.0 <10.0 <10.0	<0.150 0.150 <0.300 0.300  103	<0.150	<0.150       02/18/2023       ND         103 % 71.5-134         The standard of	<0.150	<0.150       0.150       02/18/2023       ND       6.33       105         <0.300       0.300       02/18/2023       ND       6.33       105         103 %       71.5-134         mg/ky       Analyzed By: AC         Result Reporting Limit Analyzed Dy: MS       Method Blank BS       % Recovery         Result Reporting Limit Analyzed Method Blank BS       % Recovery         <10.0	<0.150       0.150       02/18/2023       ND       6.33       105       6.00         103 ⋅ 71.5-134         Timit Analyzed By: AC         Result Result Init Analyzed D2/16/2023       Method Blank BS No Recovery Result P3: MS       % Recovery P4: Recovery	<0.150

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#### Analytical Results For:

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

Fax To:

Received: 02/13/2023 Sampling Date: 02/13/2023

Reported: 02/19/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 151 @ 2 (H230681-10)

BTEX 8021B	mg	/kg	Analyze	ed By: ZZZ					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	0.582	
Toluene*	<0.050	0.050	02/17/2023	ND	2.15	108	2.00	0.313	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.47	123	2.00	0.184	QR-03
Total Xylenes*	<0.150	0.150	02/17/2023	ND	7.54	126	6.00	0.0586	QR-03
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	161	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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Tamara Oldaker

#### Analytical Results For:

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

Received: 02/13/2023

02/13/2023Sampling Date:02/13/202302/19/2023Sampling Type:SoilFOXHOLE TANK FARMSampling Condition:Cool & Intact

Sample Received By:

Project Name: FOXHOLE TANK FARM
Project Number: 17464

Reported:

DRO >C10-C28\*

EXT DRO >C28-C36

Project Location: MEWBOURNE - CARLSBAD, NM

Sample ID: FS 152 @ 2 (H230681-11)

BTEX 8021B	mg,	/kg	Analyze	d By: ZZZ					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	0.582			
Toluene*	<0.050	0.050	02/17/2023 ND		2.15	108	2.00	0.313			
Ethylbenzene*	<0.050 0.050		02/17/2023 ND		2.47	123	2.00	0.184			
Total Xylenes*	<0.150	0.150	02/17/2023	ND	7.54	126	6.00	0.0586			
Total BTEX	<0.300	0.300	02/17/2023	ND							
Surrogate: 4-Bromofluorobenzene (PID	161	% 71.5-13	4								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	80.0	16.0	02/16/2023	ND	416	104	400	3.77			
TPH 8015M	mg,	/kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43			

ND

ND

193

96.3

200

3.32

02/16/2023

02/16/2023

Surrogate: 1-Chlorooctane 96.2 % 48.2-134
Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

<10.0

<10.0

10.0

10.0

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Celeg D. Freene



#### Analytical Results For:

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

Fax To:

Received: 02/13/2023 Sampling Date: 02/13/2023

Reported: 02/19/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 153 @ 2 (H230681-12)

BTEX 8021B	mg	/kg	Analyze	ed By: ZZZ					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	0.582	
Toluene*	<0.050	0.050	02/17/2023	ND	2.15	108	2.00	0.313	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.47	123	2.00	0.184	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	7.54	126	6.00	0.0586	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	161	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/16/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	202	101	200	5.43	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	193	96.3	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

### Cardinal Laboratories

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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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 15 of 16

# ARDINAL LABORATORIES

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Etech Environmental & Safety Solut		IC.		-	BILL TO				ANALYSIS REQUEST																					
Project Manage	- Lance Crenshah	/			P.	0. #:																									
Address: 261					Co	ompa	ny M	lewbou	in	1																					
City: Hobbs	State: NM	Zip: 88	8240		At	tn:	JA	F Bron	n	1																					
Phone #: (57:	5) 264-9884 Fax #:				Ac	idres	e. U	MI BUL	1211/1	1																					
	464 Project Owner	- Ma	Wand	N	Ci	Attn: Jeff Broom Address: 4801 Bus p BlVd City: Hobbs				1								1													
Project Name:	Fox hole Tank fourw	\	I THE DOY			rien pour			rien Duri			rien by			men pour			oto: /	VIN	Zip:			(E	18							
Project Location	4	N.M.					-	.Zip.		Chloride	TPH (8015M)	BTEX (8021B)																			
Sampler Name:	The Laris Dala				-	none				양	8) +	×																			
FOR LAB USE ONLY	Dominic Casar	1		MATRIX			Fax #:  PRESERV. SAMPLING			0	T	376																			
POR DAS USE UNLY		<u>a</u>			T	T		GALLET E.		1.																					
Lab I.D. H230681	Sample I.D.	(G)RAB OR (C)OMF	GROUNDWATER	SOIL	SLUDGE OTHER:	ACID/BASE:	OTHER:	DATE	TIME	ę	/	/																			
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De 1	F5 142 @ Z	CI		1			V	21323		V	V	V																			
	FS 143 @ Z	CI		1			V	1		1	1	1																			
3	FS 144 @ 4	C 1		1			1																								
4	F5 145 @ 4	CI		1			1																								
5	FS 146 04	0 1		1			V																								
4	F3 147 @ 3	01		V			1																								
7	F5 148 @ 3	01		V			1																								
8	F3 149 @ 3	C 1		V			V																								
9	F5 150 @ 2	CI		V				T.		V		1																			
	nd Damages. Cardinal's liability and client's exclusive remedy for a ing those for negligence and any other cause whateoever shall be							to the amount per within 30 days sits	d by the client for r completion of t	r the the applical	hio																				
	ardinal be liable for incidental or consequental damages, including ing out of or related to the performance of services hereunder by 0	Cardinal rea																													
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	Time:	-								0																					
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Sampler - UPS	- Bus - Other: 2,12/15	50	F	Yes 🖸 No 🔲	Yes	-	VE	) ,		4																					
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FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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Page 16 of 16

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476								
Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO			A	NALYSIS	REQUEST	
Project Manager: Lance Crenguaw		P.O. #:						
Address: 2617 W Marland		Company Mewbourn						
City: Hobbs State: NM Zip: 88240		Attn: Jeff Broom						
Phone #: (575) 264-9884 Fax #:		Address: 4801 Bus y Blvd						
Project #: 17 464 Project Owner: Mew De	NN	city: Hobbs						
Project Name: Fox hole Tank farm	State: N.M. Zip:	0	8015M) (8021B)			4		
Project Location: Rural Carls bad N.M.		Phone #:	oride	801				
Sampler Name: Don. 116 Casare 2		Fax #:	Chi	TPH (8015M) BTEX (8021B				
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		F 18				
(G)RAB OR (C)OMP  #CONTAINERS GROUNDWATER WASTEWATER	SOIL	ACID/GE ACID/GE ACID/GE CE / COOL OTHER: OTHER:  TAME  ACID/GE / COOL	9					

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analyses. All claims including those for negligence and any of service. In no event shall Cardinal be liable for incidental or of artiliates or successors arising out of or related to the perform Relinquished By:	onsequental damages, including	without limitation, busin	ees interruptions, los nether such claim is i	of use, or loss of prof	its incurred by o	client, its subablisation,		s D	No. I	Add'l Pho	nna #·			
Don CAZ	Time: 76/5	101	untra n	Modes	Lin	Fax Result: REMARKS:	□ Ye			Add'I Fax				
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Delivered By: (Circle One)	Time:	1/110				Please ema	nil results	and c	opy of	CoC to	pm@et	echen	.com.	
Delivered by: (Circle Une)		#//2 Sar	nole Condition	CHECKE	ED BY:									

FORM-006 Revision 1.0

Sampler - UPS - Bus - Other:

Received by OCD: 11/30/2023 8:23:25 AM

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(Initials)

Cool Intact



February 21, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/15/23 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Applyand By 777

Received: 02/15/2023 Reported: 02/21/2023

02/21/2023 FOXHOLE TANK FARM

Project Name: FOXHO Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/15/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 154 @ 2 (H230723-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	3.97	
Toluene*	<0.050	0.050	02/21/2023	ND	2.05	102	2.00	3.37	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.14	107	2.00	0.928	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.46	108	6.00	1.09	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/21/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Applyzod By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 155 @ 2 (H230723-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	3.97	
Toluene*	<0.050	0.050	02/21/2023	ND	2.05	102	2.00	3.37	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.14	107	2.00	0.928	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.46	108	6.00	1.09	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	80.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/21/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 156 @ 2 (H230723-03)

BTEX 8021B	mg,	'kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	3.97	
Toluene*	<0.050	0.050	02/21/2023	ND	2.05	102	2.00	3.37	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.14	107	2.00	0.928	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.46	108	6.00	1.09	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

Sample Received By:

#### Analytical Results For:

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

Fax To:

 Received:
 02/15/2023
 Sampling Date:
 02/15/2023

 Reported:
 02/21/2023
 Sampling Type:
 Soil

Reported: 02/21/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Location: MEWBOURNE - CARLSBAD, NM

17464

#### Sample ID: SW 12 (H230723-04)

Project Number:

BTEX 8021B	mg,	'kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	1.95	97.7	2.00	0.766	
Toluene*	<0.050	0.050	02/21/2023	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	4.80	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.63	111	6.00	6.08	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



02/15/2023

Soil

#### Analytical Results For:

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

Sampling Date:

Sampling Type:

Received: 02/15/2023 Reported: 02/21/2023

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: WW 9 (H230723-05)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	1.95	97.7	2.00	0.766	
Toluene*	<0.050	0.050	02/21/2023	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	4.80	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.63	111	6.00	6.08	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/21/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: WW 10 (H230723-06)

BTEX 8021B	mg/	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	1.95	97.7	2.00	0.766	
Toluene*	<0.050	0.050	02/21/2023	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	4.80	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.63	111	6.00	6.08	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/21/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Applyzod By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 157 @ 2 (H230723-07)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	1.95	97.7	2.00	0.766	
Toluene*	<0.050	0.050	02/21/2023	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	4.80	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.63	111	6.00	6.08	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 777

Received: 02/15/2023 Reported: 02/21/2023

FOXHOLE TANK FARM

Project Name: FOXHO Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/15/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 158 @ 2 (H230723-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	1.95	97.7	2.00	0.766	
Toluene*	<0.050	0.050	02/21/2023	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	4.80	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.63	111	6.00	6.08	
Total BTEX	<0.300	0.300	02/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	202	101	200	4.11	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	218	109	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Celey D. Keene



#### **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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Page 11 of 11

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	(575) 393-2326 FAX (575) 393-2 Etech Environmental & Safety Solu	-	fra			-			-	Di	,,	TO						ANA	VCIO	e pr	QUE	TP			
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Project Location	1111111 00000 1011						PI	none	#:					Chloride	8	(8)									
Sampler Name:	Dominic Casarez						Fa	x #:						5	I	Ä						1 1			
FOR LAB USE ONLY					MAT	TRIX	_	PRI	ESE	RV.	S	AMPL	NG	1	F	00									
<b>Lab I.D.</b> HZ30723	Sample I.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	WASTEWATER	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	дінек:	0	ATE	TIME	,				ij.							
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FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



February 22, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/17/23 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 02/17/2023 Reported: 02/22/2023

FOXHOLE TANK FARM

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW 13 (H230762-01)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	231	116	200	7.25	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	225	113	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Received: 02/17/2023 Reported: 02/22/2023

FOXHOLE TANK FARM

Project Name: FOXHO Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: SW 14 (H230762-02)

BTEX 8021B	mg	/kg	Analyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	18						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: SW 15 (H230762-03)

BTEX 8021B	mg	/kg	Analyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Applyzod By: 777

Received: 02/17/2023 Reported: 02/22/2023

02/22/2023 FOXHOLE TANK FARM

ma/ka

Project Name: FOXHO
Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: EW 6 (H230762-04)

RTFY 8021R

B1EX 8021B	mg,	/ <b>kg</b>	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 777

Received: 02/17/2023 Reported: 02/22/2023

FOXHOLE TANK FARM

ma/ka

Project Name: FOXHO Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: NW 16 (H230762-05)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Applyzod By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 159 @ 4 (H230762-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 777

Received: 02/17/2023

02/22/2023 FOXHOLE TANK FARM

Project Name: FOXHO Project Number: 17464

Reported:

RTFY 8021R

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: FS 160 @ 4 (H230762-07)

B1EX 8021B	mg	/кд	Anaiyze	a By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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02/17/2023

Soil

#### Analytical Results For:

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

Received: 02/17/2023 Sampling Date: Reported: 02/22/2023 Sampling Type:

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 161 @ 2 (H230762-08)

BTEX 8021B	mg/kg		Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
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	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	107 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Sample Received By:

02/17/2023

Tamara Oldaker

#### Analytical Results For:

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

Received: 02/17/2023 Sampling Date:

Reported: 02/22/2023 Sampling Type: Soil
Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 162 @ 2 (H230762-09)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Applyzod By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 163 @ 2 (H230762-10)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Applyzod By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 164 @ 2 (H230762-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 777

Received: 02/17/2023 Reported: 02/22/2023 Sampling Date: 02/17/2023

Project Name: FOXHOLE TANK FARM

Sampling Type: Soil

Project Number: 17464

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 165 @ 5 (H230762-12)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 777

Fax To:

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

#### Sample ID: FS 166 @ 2 (H230762-13)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	0.429	
Toluene*	<0.050	0.050	02/22/2023	ND	2.21	110	2.00	0.00122	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.33	117	2.00	4.11	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	7.00	117	6.00	5.94	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	205	102	200	3.35	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	220	110	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **Notes and Definitions**

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

# Received by OCD: 11/30/2023 8:23:25 AM

Revision 1.0

ARDINAL L

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## ARDINAL LABORATORIES

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

Company Name	: Etech Environmental & Sa	fety Solution	ıs, lı	nc.					BI	LL TO						ANAL	YSIS	REC	UEST	Г	
Project Manage	r. Lance Crens	hav					P.O.	#:		1						T					
Address: 261	7 W Marland						Com	pan	y W	ew bour	n	1									
City: Hobbs	State	: NM Z	p: 8	8240			Attn:	_	501	7 Bri	306	1									
Phone #: (575							Addr	ress	:41	701 Bus	Blue										
Project #: 17	464 Proje	ct Owner:	Mt	ewb	OVEY	1	City:	1	401	665											
Project Name:	Fox hole Taux	(fari	n				State	9: /	Vm	Zip:			TPH (8015M)	BTEX (8021B)				1			
Project Location	Dominic	bad 1	1 20	n			Phor					Chloride	801	800							
Sampler Name:	Dominic	Casa	V	02			Fax i	Ø:		7		훙	I	X							
FOR LAB USE ONLY			T	T	MATE	RIX	P	RES	ERV.	SAMPLI	NG		1	B							
Lab I.D. H230762 Dc	Sample I.D.		# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER:	ICE / COOL	OKHER:	DATE,	TIME	• *									
DC	5W13	(	1		V			1		2/7		V	V	V		1					
2	SW14	(	1		1			-	1			1	r	1							
3	5W15	(	1		V			1	1												
4	EWB	(			V			V													
5	NW16	(	1		V			U	1												
6	FS 159@4	(	1		1	/		V	1				1								
7	FS 160 @4		1		V			-	1												
8	F5 161@2	- 1	11		V			V	1			1									
9	F5162@2	- 1	1	1	V	1		i	1			1	1	1/				_	-	-	
PI FASE NOTE: Linking an	F5 163@2	10	17		1			1				4	-	10							
analyses. All claims including	ing those for negligence and any other cause whats	e remedy for any closer shall be deer	ned we	éved unles	mede in w	riting and	received	by Car	rdinel w	Whin 30 days afte	o by the client for r completion of th	me se applica	ble								
Relinquished By	ag out of or related to the performance of services in Date:	2 /7 F	ece	ived B	whether sur	Ch claim	e based t	e, or lot	as of promy of the	a shove stated re	Phone Re Fax Resul REMARKS	sult:	O Ye		No No	Add'l P	hone #:				
Delivered By: Sampler - UPS FORM-00	(Circle One) - Bus - Other: 4.6	e/4.		-	ool In Ves [	Yes		V	(Initi		Please e	* *					to pm	@etec	chenv.	com.	

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# ARDINAL LABORATORIES

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

Company Name	: Etech Environmen			Inc.						BI	LL TO						ANA	LYSIS	REQU	EST		
Project Manage	r. Lance C	renshav						P.O	#:		1											
Address: 261								Cor	npar	14 /V	lewbar	in										
City: Hobbs		State: NM	Zip:	882	40			Attr	1:	JP.	FF 13	Voew	1									
Phone #: (57	5) 264-9884	. Fax #:						Add	iress	. 4	10/ Bic	- Blud	1									
Project #: /~	7464	Project Owner	W	101	bes	IVN		City	: 1	406	65	y Blud	1									
Project Name:	FOX hole	Tank fa	1/ 10	1							Zip:			W	18							
Project Location	FOX hole  Rural Co  Dominic	av 15651	Nin	v1				-	ne f				Chloride	<b>IPH (8015M)</b>	BTEX (8021B)							
Sampler Name:	Dominis	Casave"	,					Fax					Ĭ	H	×		1					
FOR LAB USE ONLY				T		MATE	RIX	_		ERV	SAMPL	ING	1	TP	BT							
Lab I.D.  H230762 D( 1/1 12 13	Sample I F3  64@2 F3  65@5 F6   66 @ 2	.D.	CO CG)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	N SOIL	SLUDGE	OTHER:		WHER:	DATE 2:/7	TIME	1	N V V	V							
PLEASE NOTE: Linbilly an	nd Demoges, Cardinal's liability and cli	ent's exclusive remedy for an	claim	arleing	whether	besed in	contract	or tort,	shall be	limited	to the amount pal	d by the client for	the									
service in no event shall Co	ng those for negligence and any other ardinal be liable for incidental or conse	cause whatsoever shall be di quental demages, including t	bemed thout	weived Imitalic	on, busine	ade in v	riting and uptions, I	receive oes of u	ed by Co se, or k	nrdinal v	within 30 days after rofits incurred by a	or completion of the	ne applica	ble								
Relinquished By	A2	Date: 2 / 7 Time: Date:	Rec	eive	ed By		th claim	de	upon d	any of the	shove stated re	Phone Re Fax Resul REMARKS	sult: lt:	O Ye		No No		Phone #: Fax #:				
Delivered By:	(Circle One) - Bus - Other:	Time:	#//	3		Yes [	onditi tact Yes	on	CI		(ED BY:	Please e	mail r	esult	s and	сору	of Co(	C to pm(	<u>D</u> etech	env.con	n.	

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

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



March 01, 2023

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

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/24/23 16:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Fax To:

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 03/01/2023 Sampling Type: Soil Project Name: FOXHOLE TANK FARM Sampling Condition: Coo

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Applyand By 14

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: FS 167 @ 2 (H230878-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	223	112	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	215	108	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023 Reported: 03/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: FS 168 @ 2 (H230878-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	223	112	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	215	108	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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### Analytical Results For:

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

Fax To:

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: FS 169 @ 2 (H230878-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	212	106	200	11.2	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	201	101	200	14.9	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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### Analytical Results For:

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

 Received:
 02/24/2023
 Sampling Date:
 02/24/2023

 Reported:
 03/01/2023
 Sampling Type:
 Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: FS 170 @ 2 (H230878-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	212	106	200	11.2	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	201	101	200	14.9	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.2	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Fax To:

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Analyzed By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

### Sample ID: WW 12 (H230878-05)

RTFY 8021R

B1EX 8021B	mg,	rkg	Alluly20	a By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	212	106	200	11.2	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	201	101	200	14.9	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

 Received:
 02/24/2023
 Sampling Date:
 02/24/2023

 Reported:
 03/01/2023
 Sampling Type:
 Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: WW 13 (H230878-06)

BTEX 8021B	mg	/kg	Analyze	ed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	212	106	200	11.2	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	201	101	200	14.9	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.6	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



### Analytical Results For:

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

Fax To:

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Applyzod By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

### Sample ID: SW 16 (H230878-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	212	106	200	11.2	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	201	101	200	14.9	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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Celey D. Kune



### Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Shalyn Rodriguez

Applyzod By: 777

Project Location: MEWBOURNE - CARLSBAD, NM

ma/ka

### Sample ID: NW 17 (H230878-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/27/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	212	106	200	11.2	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	201	101	200	14.9	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

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Celeg & Frence



### **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

Page 11 of 11

# RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Nam	e: Etech Environmental & Safety Solu	tions	, Inc					B	IL.	LTO						ANA	LYSI	SR	EQU	EST			
Project Manag	er: Lance Crenshau	V				P.	O. #:			1													
Address: 26	17 W Marland					Co	ompa	any/	New	pour	rn												
City: Hobbs	State: NM	Zip	88	240		At	tn:	Je	ff	Bro	om												
Phone #: (57	75) 264-9884 Fax #:					Ac	idres	ss: 4	1801	Bus p	Blvd												
Project #: 17	464 Project Owne	r: N	1el	Vbo	urn	Ci	ty:	Hob	164	5	Blvd			-									
Project Name:	Fox hole Tourk fark	1				St	ate:	NW	1 zi	ip:	'1	0	5M)	218					1				
Project Location	on: Rural Carls	nd	-	VI	M.	Pł	none	#:				Chloride	801	(80	-								
Sampler Name	FOX hole Toux fark on: Rural Carls	av	e	2		Fa	x #:					Ch	TPH (8015M)	STEX (8021B)			1						
FOR LAB USE ONLY		Τ.			MATRIX		PRE	SER	v.	SAMPLI	NG	1	=	8									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	SOIL	OTHER;	ACID/BASE:	ICE / COOL	Ornen .	DATE	TIME	1				7							
DC/	F5167 @ 2	10	ī		1/	T		1	_	2-24		1	1	V									
2	F3 168 @ 2	C	l		1/	T		V	T	-1		1	1	1									
3	F5 169 @ 2	C	1		1/			V															
Ŭ	F3 170 @ 2	C	1		1			V															
5	WW /2	C	1		1			V								1							
9	WW 13	C	1					1										1				1	
7	5W16	C	1		1			V															
8	NW17	C	1		V			V	1	3		V	V	W		-		-	+	-			-
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Delivered Bo	Time:  7: (Circle One) 4.12 C-0.1	9 2 +(1	3	Sa	mple Condi		2	CHEC	CKE	D BY:	Please e	email (	results	s and	сору	of Co	C to p	om@e	eteche	env.com	n.		

FORM-006 Revision 1.0

Received by OCD: 11/30/2023 8:23:25 AM

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



March 02, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: FOXHOLE TANK FARM

Enclosed are the results of analyses for samples received by the laboratory on 02/27/23 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Applyand By 1H /

Received: 02/27/2023 Reported: 03/02/2023

Project Name: FOXHOLE TANK FARM

Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM

Sampling Date: 02/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 171 @ 2 (H230907-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.99	99.5	2.00	10.7	
Toluene*	<0.050	0.050	03/01/2023	ND	1.97	98.3	2.00	9.73	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.97	98.4	2.00	10.0	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/01/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene



02/27/2023

Soil

### Analytical Results For:

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

Received: 02/27/2023 Sampling Date:
Reported: 03/02/2023 Sampling Type:

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact
Project Number: 17464 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: FS 172 @ 3 (H230907-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.99	99.5	2.00	10.7	
Toluene*	<0.050	0.050	03/01/2023	ND	1.97	98.3	2.00	9.73	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.97	98.4	2.00	10.0	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Fax To:

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: FOXHOLE TANK FARM Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 17464 Sample Received By:

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: FS 173 @ 4 (H230907-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.99	99.5	2.00	10.7	
Toluene*	<0.050	0.050	03/01/2023	ND	1.97	98.3	2.00	9.73	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.97	98.4	2.00	10.0	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	oloride, SM4500Cl-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/01/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Fax To:

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: **FOXHOLE TANK FARM** Sampling Condition: Cool & Intact Sample Received By: Project Number: 17464 Tamara Oldaker

Project Location: MEWBOURNE - CARLSBAD, NM

### Sample ID: WW 14 (H230907-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.99	99.5	2.00	10.7	
Toluene*	<0.050	0.050	03/01/2023	ND	1.97	98.3	2.00	9.73	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.97	98.4	2.00	10.0	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	loride, SM4500Cl-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/01/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	107 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Received: 02/27/2023 Reported: 03/02/2023

**FOXHOLE TANK FARM** 

Project Name: Project Number: 17464

Project Location: MEWBOURNE - CARLSBAD, NM Sampling Date: 02/27/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: SW 17 (H230907-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.99	99.5	2.00	10.7	
Toluene*	<0.050	0.050	03/01/2023	ND	1.97	98.3	2.00	9.73	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.97	98.4	2.00	10.0	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/01/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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. Keine



### **Notes and Definitions**

QR-04 The RPD for the BS/BSD was outside of historical limits.

A-01 GRO blank spike failed high. Result deemed acceptable because all samples were ND for GRO.

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 whistoever 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.

Celeg D. Freene

# Received by OCD: 11/30/2023 8:23:25 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# RDINAL LABORATORIES

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

Company Name	: Etech Environmental & Safety S	Solutions, Inc.	BILL TO	ANALYSIS REQUEST	ANALYSIS REQUEST				
Project Manager	r. Lance Crensh	a W	P.O. #: 1						
Address: 261	7 W Marland		Company Mew bourr						
City: Hobbs	State: NN	Zip: 88240	Attn: Jeff Broom Address: 4801 Bs p Bi City: Hobbs	m					
Phone #: (575	5) 264-9884 Fax #:		Address: 4811 BL & BI	IVd					
Project #: 17464 Project Owner: Mew Yourn			City: Hobbs						
Project Name:	Fox hole Tank	Farm	State: //// Zip:	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8					
Project Location	n: Rusal Carolai	na nim	Phone #:	TPH (8015M)					
Sampler Name:	Dominic Ca	such the state of	Fax #:						
FOR LAB USE ONLY	136Minic La	MATR	X PRESERV. SAMPLING						
Lab I.D. H230907	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL QTHER:	TIME					
Dc /	FS 171 Q 2	CIII	1/2.27	VVV					
7	F5 172 @ 3	CII		( )					
3	F517304	CII							
4	WW/4	CIV							
5	SWIT	CIV		VVV					
enalyses. All cleims includin service. In no event shell Ca	CAZ Time 44	half be deemed waived unless made in wr cluding without firmitation, business internal for by Cardinal, regardless of whether suc- Received by:	ting and received by Cardinal within 30 days effer or pilone, loss of use, or loss of profils locured by clein or loss in based upon any of the above statud reason to the state of the sta	completion of the applicable					
	: (Circle One) - Bus - Other: 4,10	Sample Cool Into Pyes I No I	ondition   CHECKED BY:	1					

FORM-006 Revision 1.0

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

Page 8 of 8

# Appendix E Regulatory Correspondence

From: Hamlet, Robert, EMNRD

To: Ben Arguijo

Cc: Lance Crenshaw; Connor Walker; Jeff Broom; Joel Lowry; Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD;

Harimon, Jocelyn, EMNRD; Zach Conder

Subject: RE: [EXTERNAL] nAPP2219360589 - Foxhole Tank Farm - Proposed Alternative Sampling Plan

**Date:** Wednesday, February 1, 2023 3:06:25 PM

Attachments: image010.png

image011.png image012.png

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

Ben,

Thank you for the data and information. The OCD approves the variance request for 500 ft2 confirmation sample size. Please include this email in the Closure Report. I will try to review the Remediation Plan as soon as possible. Thanks

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Ben Arguijo <bena@etechenv.com>
Sent: Wednesday, February 1, 2023 1:58 PM

**To:** Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

**Cc:** Lance Crenshaw <lance@etechenv.com>; Connor Walker <cwalker@mewbourne.com>; Jeff Broom <jbroom@mewbourne.com>; Joel Lowry <joel@etechenv.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Zach Conder <zach@etechenv.com>

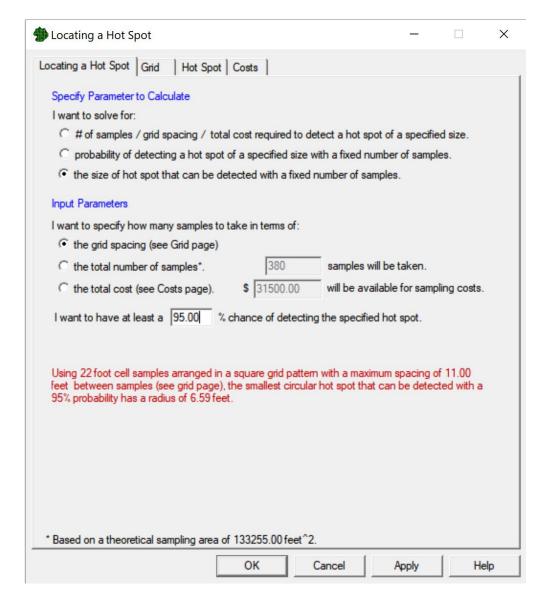
Subject: RE: [EXTERNAL] nAPP2219360589 - Foxhole Tank Farm - Proposed Alternative Sampling Plan

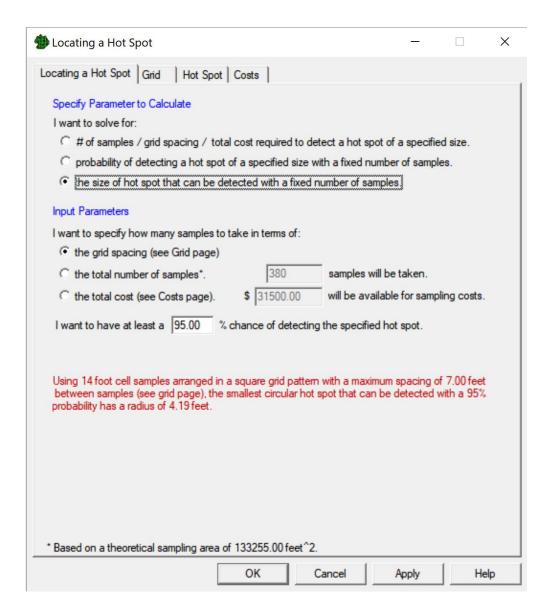
Mr. Hamlet,

Thank you for the quick response. As I mentioned in my original email, the proposed Alternative Sampling Plan was requested in the Work Plan that Mewbourne submitted to the NMOCD on 1/4/23. To my knowledge, the Work Plan has not yet been reviewed, but Etech has already begun remediation activities at the site. Mewbourne believes the information/summary and side-by-side comparison map I provided in that email demonstrate that there is a nominal difference between the requested sampling plan and the standard 200-square-foot plan, and the proposed Alternative Sampling Plan provides an equal protection of fresh water, public health, and the environment.

That said, since the NMOCD's primary concern is presumably that a larger sampling grid size increases the risk that hotspots of contamination are missed, I used the Pacific Northwest National Laboratory's

"Visual Sampling Plan" (VSP) software to compare the likelihood that hotspots are detected under each sampling plan. The VSP Hot Spot Design Module (see screenshots below) indicates that the smallest hotspot that can be detected with a 500-square-foot grid pattern (approximately 22' x 22') has a radius 6.59 feet, as compared to a 4.19-foot radius with a 200-square-foot-grid (approximately 14' x 14'). This further demonstrates that the difference between the two plans is nominal. Also, please keep in mind that the areas most likely to contain hotspots were identified and sampled during the initial site assessment (see Work Plan and accompanying documentation).





I also used an equation (see below) from the Lawrence Livermore National Laboratory (LLNL, <a href="https://www.ncbi.nlm.nih.gov/books/NBK236599/">https://www.ncbi.nlm.nih.gov/books/NBK236599/</a>) in order to determine the probability (percentage) that a hotspot of a given radius (up to 20 feet) is sampled based on the size of the sampling grid. The probabilities are similar and differences are nominal for each of the calculated radii.

$$P = \frac{\pi r^2}{s^2}$$

Grid	Grid Cell	Probability of sampling a hot spot of radius x feet:							
Area (ft <sup>2</sup> )	Spacing (ft)	2.5	5	10	15	20			
200	14	<10%	<50%	>99%	>99%	>99%			
500	22	<10%	<50%	63%	>99%	>99%			

To summarize, Mewbourne believes the proposed Alternative Sampling Plan provides an equal

protection of fresh water, public health, and the environment (pursuant to Section 19.15.29.14 NMAC), based on the following:

- The size and nature of the release, and the lack of variability in surface topography and subsurface soil makeup (see attached Google Earth screenshot).
- The relatively shallow depth of contaminant intrusion (i.e., an *average* of approximately 2 feet below ground surface across 75 vertical delineation sample points; see Work Plan).
- The side-by-side comparison map, VSP Hot Spot Design Module, and LLNL equation calculations effectively demonstrate that there is a nominal difference between the requested sampling plan and the standard 200-square-foot plan.
- The areas most likely to contain hotspots were identified and sampled during the initial site assessment and delineation event (see Work Plan).

An updated side-by-side comparison map with additional distance measurements is attached for your convenience.

If you have any questions or need any additional information, please do not hesitate to contact me.

Thank you for your time and consideration.

Respectfully, Ben J. Arguijo

### Ben J. Arguijo

Project Manager

(432) 813-1592



From: Hamlet, Robert, EMNRD < <a href="mailto:Robert.Hamlet@emnrd.nm.gov">Robert.Hamlet@emnrd.nm.gov</a>>

**Sent:** Tuesday, January 31, 2023 9:00 AM **To:** Ben Arguijo < bena@etechenv.com >

**Cc:** Lance Crenshaw < <u>lance@etechenv.com</u>>; Connor Walker < <u>cwalker@mewbourne.com</u>>; Jeff Broom < <u>jbroom@mewbourne.com</u>>; Joel Lowry < <u>joel@etechenv.com</u>>; Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; Nobui, Jennifer, EMNRD < <u>Jennifer.Nobui@emnrd.nm.gov</u>>; Harimon, Jocelyn, EMNRD < <u>Jocelyn.Harimon@emnrd.nm.gov</u>>

Subject: RE: [EXTERNAL] nAPP2219360589 - Foxhole Tank Farm - Proposed Alternative Sampling Plan

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

Ben,

For future reference, a variance from the Spill Rule for closure sampling should be included in the

remediation plan. We can approve a variance through email, but since the site is located in high karst we would need a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health and the environment.

Regards,

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Ben Arguijo < bena@etechenv.com > Sent: Monday, January 30, 2023 2:47 PM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov >; Enviro, OCD, EMNRD

<<u>OCD.Enviro@emnrd.nm.gov</u>>; <u>ocd.environmental@state.nm.us</u>

**Cc:** Lance Crenshaw < <u>lance@etechenv.com</u>>; Connor Walker < <u>cwalker@mewbourne.com</u>>; Jeff Broom

<jbroom@mewbourne.com>; Joel Lowry <joel@etechenv.com>

Subject: [EXTERNAL] nAPP2219360589 - Foxhole Tank Farm - Proposed Alternative Sampling Plan

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has recently contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Foxhole Tank Farm (NMOCD Incident #nAPP2219360589) located in Eddy County.

On January 4, 2023, Mewbourne submitted a Work Plan for the release via the NMOCD permitting system, which is currently awaiting review. In the Work Plan, Mewbourne proposed an alternative sampling plan comprised of five-point composite samples collected from the floor and sidewalls of the excavated area at intervals representing no more than 500 square feet. Mewbourne believes that a relaxation of sampling frequency is permissible given the size and nature of the release, the lack of variability in surface topography, and the relatively shallow depth of contaminant intrusion (i.e., an average of approximately 2 feet below ground surface across 75 vertical delineation sample points). The proposed alternative sampling plan is detailed in Figure 1 (attached), which includes a side-by-side depiction of the affected area overlaid with 200 and 500-square-foot sampling grids, as well as the compositing interval differences between the two grids.

In accordance with the proposed Work Plan, the entire affected area will be excavated to the most

stringent NMOCD Closure Criteria of 600 mg/kg chloride and 100 mg/kg TPH. Based on the size of the affected area (approximately 133,225 square feet), a total of approximately 380 confirmation soil samples will be collected under the proposed alternative sampling plan, as opposed to approximately 862 samples under the standard 200-square-foot plan. The composite soil samples will include wet and/or visibly stained areas, from which additional discrete samples will also be collected, as necessary.

Etech is currently in the process of remediating the release in accordance with the proposed Work Plan and alternative sampling plan. As such, if the NMOCD has any objections to the proposed alternative sampling plan, please contact Mewbourne and/or Etech at your earliest convenience.

If you have any questions or need any additional information, please do not hesitate to contact me.

Thank you for your time and consideration.

Respectfully, Ben J. Arguijo

**Ben J. Arguijo**Project Manager

6309 Indiana Ave., Ste. D Lubbock, TX 79413 (432) 813-1592 From: Enviro, OCD, EMNRD

To: Lance Crenshaw; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc: Ben Arguijo; Connor Walker; jbroom@mewbourne.com; Joel Lowry

Subject: RE: [EXTERNAL] Confirmation Sampling notification

**Date:** Monday, February 13, 2023 4:03:44 PM

Some people who received this message don't often get email from ocd.enviro@emnrd.nm.gov. <u>Learn why this is important</u>

Lance,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>
<a href="mailto:http://www.emnrd.nm.gov">http://www.emnrd.nm.gov</a>



From: Lance Crenshaw <lance@etechenv.com> Sent: Monday, February 13, 2023 2:10 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Ben Arguijo <bena@etechenv.com>; Connor Walker <cwalker@mewbourne.com>;

jbroom@mewbourne.com; Joel Lowry <joel@etechenv.com>

**Subject:** [EXTERNAL] Confirmation Sampling notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This email serves as notice that Etech intends to collect excavation confirmation soil samples on 2-16-23 through 2-18-23 from the following locations/reportable release sites:

Mewbourne Oil Co –Foxhole Frac Booster- napp2219360589

If you have any questions or need any additional information, please contact Lance Crenshaw by phone (575-631-2532) or email <a href="mailto:lance@etechenv.com">lance@etechenv.com</a>.

Lance Crenshaw
Etech Environmental & Safety Solutions
575-631-2532

Hamilet, Robert, EMNRD
Connor Valler: Bratcher, Michael, EMNRD
Jeff Broom: Lance Creshave; Ben Aroulic: Joel Lowry
RE: [EXTERNAL] PW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172078
Tuesday, May 9, 2023 11:38:20 AM
Image002.pmg
Image005.pmg
Image005.pmg

Thanks for the update and clarification. RH

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave.| Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us ww.emnrd.state.nm.us/OCD/



From: Connor Walker <cwalker@mewbourne.com>

Sent: Tuesday, May 9, 2023 10:24 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

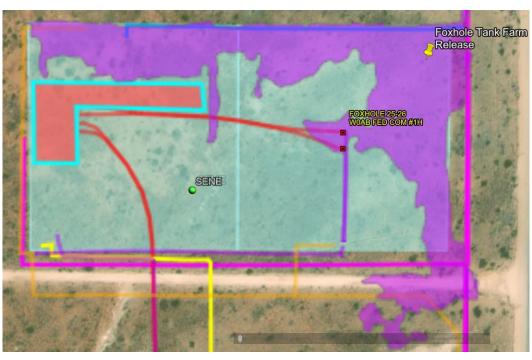
 $\textbf{Cc:} \ \mathsf{Jeff Broom < jbroom@mewbourne.com>;} \ \mathsf{Lance Crenshaw < lance@etechenv.com>;} \ \mathsf{bena@etechenv.com;} \ \mathsf{Joel Lowry < joel@etechenv.com>;} \ \mathsf{lond } \ \mathsf{lond }$ 

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172078

Robert,

I agree 100% on the sample temperatures. Typically, we trust our contractors to carry ice with them and handle the sample properly. That is one of the reasons we changed contractors on this site from Trinity to Etech, who has been more reliable

As for the deferral area, the satellite imagery is not up to date and does not show our well pad or infrastructure. The below picture from our internal mapping illustrates the area a little better with the red L shaped polygon representing our approimate battery and equipment area. However, Etech was able to find clean walls before we encountered our planned deferral area, which was a 10' buffer around our equipment. Therefore, we do not have any area on this release we will be deferring to a later date



Like I mentioned before we have already removed all contaminated soil in the area and need only to submit our closure report for this release. It will be submitted in the coming weeks.

Thank you,

Connor Walker | Sr. Engineer Mewbourne Oil Company Cell: (806) 202-5281 Email: cwalker@mewbourne.com



From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Sent: Monday, May 8, 2023 3:52 PM

To: Connor Walker <a href="mailto:cwalker@mewbourne.com">cwalker@mewbourne.com</a>; Bratcher, Michael, EMNRD <a href="mailto:mike.bratcher@emnrd.nm.gov">mike.bratcher@emnrd.nm.gov</a>

 $\textbf{Cc:} \ Jeff Broom < \underline{jbroom@mewbourne.com}; Lance \ Crenshaw < \underline{lance@etechenv.com}; \underline{bena@etechenv.com}; Joel \ Lowry < \underline{joel@etechenv.com} > \underline{joel@etechenv.com}; Joel \ Lowry < \underline{joel@etechenv.com}; \underline{Joel \ Lowry < \underline{joel@etechenv.com}}; \underline{Joel@etechenv.com}; \underline{Joel@etechenv.com}; \underline{Joel@etechenv.com}}; \underline{Joel@etechenv.com}; \underline{Joel@etechenv.com}; \underline{Joel@etechenv.com}; \underline{Joel@etechenv.com}}; \underline{Joel@etechenv.com}; \underline{Joel@etechenv.co$ 

Subject: RE: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172078

### Connor

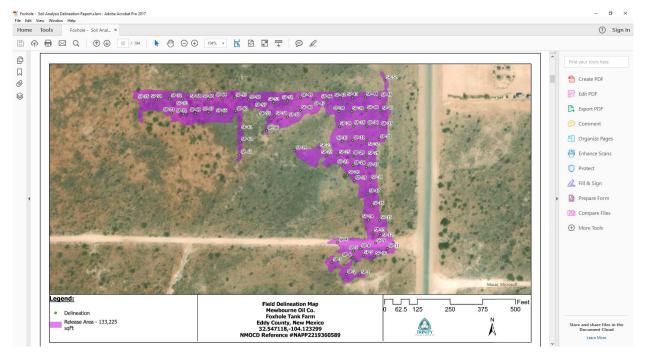
We have had some internal discussions about the larger confirmation sample size in sensitive areas (high karst, 100 year flood plain, <50' depth to groundwater). Going forward we will not approved these types of variance requests. If one has already been approved, we will honor it. Any approved variance request needs to be included in the report.

The report clearly shows at least 6 of the "Chain of Custody and Analysis Request" forms were over 6 degrees Celsius.

9/26/22 -- 34.4 degrees C 9/27/22 -- 24.6 degrees C 9/28/22 -- 27.3 degrees C 9/29/22 -- 29.1 degrees C 10/4/22 -- 25.0 degrees C 10/6/22 -- 25.3 degrees C

Not only did the samples come in over 6 degrees C, but the "Sample Cool" box was checked "No" on the forms. This usually means it wasn't even put on ice. Not good!

This was the only Site Map in the report. The release is clearly off pad and doesn't look like it is infringes on a tank containment.



Robert Hamlet . Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Divis 506 W. Texas Ave.| Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Connor Walker <<u>cwalker@mewbourne.com</u>>

Sent: Monday, May 8, 2023 3:25 PM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Cc: Jeff Broom <jbroom@mewbourne.com>; Lance Crenshaw <lance@etechenv.com>; bena@etechenv.com; Joel Lowry <joel@etechenv.com>

Subject: [EXTERNAL] FW: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172078

### CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

1 just received the denial of the workplan for the Foxhole Tank Farm Release. I have a few points I wanted to send over to get your thoughts on. We have already conducted the remediation and removed all contaminated soil to the strictest NMOCD standards.

- The Remediation Plan is Denied. This release is in a high karst area and will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. Due to the sensitive nature of the site (high karst), the variance request for 500 ft2 confirmation samples is denied. Please collect confirmation samples, representing no more than 200 ft2.
  - I have attached above an approval from you on the 500 ft2 sampling plan. We wanted to nail this down before we started excavation and at this point have already excavated the area using this
- All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Most of the Chain of Custody and Analysis Request forms show samples relinquished well over 6 degrees Celsius. Confirmation samples will need to be relinquished at the proper temperature or the Closure Report will be denied.
  - The report does show that our samples were above the temperature, my contractor who performed the delineation on this report has been made well aware of this. Our excavation and confirmation samples are all under the required temperature and will show that we have remediated to the proper levels.
- The deferral request is denied. A deferral can only be granted on an active well pad and not on a road, right-of-way, or in the pasture. The only sample points on pad that can deferred are where remediation could cause a major facility deconstruction.

• The imagery is not updated on Figure 3 of the workplan. The only area we are requesting that we defer is right up against our tank containment, not in a pasture or a road or a ROW. But this is all a moot point, as we were able to excavate the area without the need for a deferral. This will be shown in our coming closure report.

As I mentioned, we are already excavated and backfilled at this site. We will submit the closure report as soon as it is prepared and will show that the area is remediated properly. Please let me know if you have any questions, I am available anytime for a phone call or a meeting.

Connor Walker | Sr. Engineer Mewbourne Oil Company Cell: (806) 202-5281 Email: cwalker@mewbourne.com



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Monday, May 8, 2023 2:03 PM

To: Connor Walker <<u>cwalker@mewbourne.com</u>

Subject: [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172078

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

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2219360589,

• The Remediation Plan is Denied. This release is in a high karst area and will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. Due to the sensitive nature of the site (high karst), the variance request for 500 ft2 confirmation samples is denied. Please collect confirmation samples, representing no more than 200 ft2. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Most of the Chain of Custody and Analysis Request forms show samples relinquished well over 6 degrees Celsius. Confirmation samples will need to be relinquished at the proper temperature or the Closure Report will be denied. The deferral request is denied. A deferral can only be granted on an active well pad and not on a road, right-of-way, or in the pasture. The only sample points on pad that can deferred are where remediation could cause a major facility deconstruction.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 172078.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Robert Hamlet 575-748-1283 Robert.Hamlet@emnrd.nm.gov

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 289703

### **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	289703
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. A reclamation report will need to be submitted when all areas of the release are reclaimed. Areas not reasonably needed for production or subsequent drilling activities will need to be reclaimed and revegetated as early and as nearly as practical to their original condition or their final land use and maintain those areas to control dust and minimize erosion to the extent practical pursuant to 19.15.29.13 NMAC.	3/19/2024
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards; OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/19/2024
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/19/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/19/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/19/2024