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Oil Conservation Division

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Incident ID	nAPP2127433772
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Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>135</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🖌 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 🖌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🖌 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 🖌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🖌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🖌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🖌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🖌 Yes 🗌 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ✓ Field data
- ✓ Data table of soil contaminant concentration data
- Depth to water determination
- \checkmark Determination of water sources and significant watercourses within $\frac{1}{2}$ -mile of the lateral extents of the release
- Boring or excavation logs
- ✓ Photographs including date and GIS information
- \checkmark Topographic/Aerial maps
- \checkmark Laboratory data including chain of custody

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

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eceived by OCD: 3/18/2	2022 1:44:54 PM State of New Mexico			Page 2 o
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			Application ID	
public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: Connor	Avalh	e OCD does not relieve th hreat to groundwater, surf of responsibility for comp Title: Sr. Enginee	e operator of liability sho ace water, human health liance with any other feo r	ould their operations have or the environment. In
OCD Only Received by:		Date:		

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Oil Conservation Division

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. ______ Title: Sr. Engineer Printed Name: Connor Walker and Avalon Date: 3/18/2022 Signature: / email: cwalker@mewbourne.com Telephone: (806) 202-5281 **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: ________ Date: ______ Date: ______ D4/28/2022 Printed Name: _______ Jennifer Nobui _______ Title: Environment **Environmental Specialist A**

Remediation Summary & Soil Closure Request

Mewbourne Oil Company Zach 17/8 W1MD Fed Com #1H Battery

Lea County, New Mexico Unit Letter "M", Section 17, Township 26 South, Range 33 East Latitude 32.03663 North, Longitude 103.599588 West NMOCD Reference No. nAPP2127433772

Prepared By:

Etech Environmental & Safety Solutions, Inc. 2507 79th Street, Unit A Lubbock, Texas 79423

Ben J. Arguijo

Environmental & Safety Solutions, Inc.

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 Zach 17/8 W1MD Fed Com #1H Battery (henceforth, "Zach 17/8"). Details of the release are summarized below:

atitude:	32.03		Longitude: PS are in WGS84 form	nat.	-103.599588		
					T 1 D 4		
Site Name: Zach 17 Date Release Discover		Fed Com #1H Battery 9/20/2021	Site Type: API # (if applied	voble).	Tank Battery N/A		
Jate Release Discover	eu.	9/20/2021	Ai I # (II applic		IN/A		
Unit Letter Se	ection	Township	Range	County			
"M"	17	26S	33E	Lea			
urface Owner: S	tate X F	ederal Tribal	Private (National Notation of Legislation of Legisl				
Crude Oil	Volume	Released (bbls)		Volume Reco	overed (bbls)		
X Produced Water	Volume	Released (bbls)	2,525	Volume Reco	overed (bbls) 200		
		ncentration of total diss the produced water >		X Yes	No N/A		
Condensate	Volume	Released (bbls)		Volume Reco	Volume Recovered (bbls)		
Natural Gas	Volume	Released (Mcf)		Volume Recovered (Mcf)			
Other (describe)	Volume/	Weight Released		Volume/Weig	ht Recovered		
Cause of Release: Frac tanks overflowe	d	Initi	ial Response				
X The source of the	release has	been stopped.					
X The impacted area	a has been s	ecured to protect human	health and the er	vironment.			
		-			ther containment devices		
1 Iterease materials		contained via the use of	ours of urses, a	boolden pau, of of	and containment devices		

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System. Copies of all correspondence related to the release are provided in Appendix E.

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 halfmile radius of the Zach 17/8 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?	13	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 Zach 17/8 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
135'	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	N/A	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 INITIAL SITE ASSESSMENT

From October 4 through 8, 2021, 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 64 hand-augered soil bores and/or test trenches (SD-1 through SD-64) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the soil bores/test trenches, soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit.

A total of 64 delineation soil samples (SD-1 @ 3' through and SD-64 @ 3') were submitted to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined, and soil was not affected above the NMOCD Closure Criteria beyond three (3) feet below ground surface (bgs) in the areas characterized by sample points SD-1 through SD-64. However, additional delineation was required to determine the horizontal extent of impacted soil.

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

In November 2021, Mewbourne contracted Etech to assume remediation activites for the release.

5.0 **REMEDIATION ACTIVITIES SUMMARY**

On December 1, 2021, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled onsite, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a Hach Quantab ® chloride test kit were utilized to field-screen the vertical and horizontal extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Etech collected six (6) confirmation soil samples (NW 3, NW 4, SW 3, SW 4, FL 4 @ 3', and FL 5 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. TPH and BTEX concentrations were also below the applicable laboratory method detection limit (MDL). Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 3 and SW 4 to 176 mg/kg in soil sample FL 4 @ 3'.

On December 2, 2021, Etech collected 28 confirmation soil samples (NW 5 through NW 14, SW 5 through SW 14, and FL 6 @ 3' through FL 13 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 7, NW 11, NW 12, NW 14, SW 5, SW 6, SW 10, SW 11, SW 13, SW 14, and FL 11 @ 3' to 160 mg/kg in soil sample FL 13 @ 3'.

On December 3, 2021, Etech collected 27 confirmation soil samples (NW 15 through NW 24, SW 15 through SW 24, and FL 14 @ 3' through FL 20 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 18, NW 19, NW 23, NW 24, SW 16, and SW 22 to 240 mg/kg in soil sample SW 19. On December 7, 2021, Etech collected 25 confirmation soil samples (NW 25 through NW 33, SW 25 through SW 33, WW 1, and FL 21 @ 3' through FL 26 @ 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, TPH, and chloride concentrations were also below the applicable laboratory MDL in a majority of the samples, with the exceptions of soil samples NW 27, NW 30, SW 30, SW 31, SW 32, FL 22 @ 3', and FL 26 @ 3', which exhibited chloride concentrations ranging from 16.0 mg/kg (NW 27 and FL 22 @ 3') to 384 mg/kg (SW 30).

On December 8, 2021, Etech collected seven (7) confirmation soil samples (NW 1, NW 2, SW 1, SW 2, FL 1 @ 3', FL 2 @ 3', and FL 3 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample FL 3 @ 4' to 224 mg/kg in soil sample NW 2.

On December 9, 2021, Etech collected 22 confirmation soil samples (NW 34 through NW 39, SW 34 thorugh SW 39, SW 42, SW 43, FL 27 @ 4' through FL 32 @ 3', FL 36 @ 3', and FL 38 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample SW 35 to 320 mg/kg in soil sample FL 31 @ 3'.

On December 10, 2021, Etech collected 15 confirmation soil samples (NW 43 through NW 48, SW 44 through SW 48, and FL 39 @ 3' through FL 42 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 43, NW 44, and SW 46 to 224 mg/kg in soil sample FL 39 @ 3'.

On December 16, 2021, Etech collected 17 confirmation soil samples (NW 52 through NW 54, EW 1 through EW 4, SW 53, WW 2, WW 3, WW 4, and FL 47 @ 3.5' through FL 52 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples EW 2, EW 3, and EW 4 to 400 mg/kg in soil sample FL 52 @ 4'.

On December 17, 2021, Etech collected seven (7) confirmation soil samples (NWA, NWB, WWA, FLA @ 1.5', FLB @ 1.5', FLC @ 1.5', and FLD @ 1.5') 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample NWB to 336 mg/kg in soil sample FLA @ 1.5'.

On December 20, 2021, Etech collected seven (7) confirmation soil samples (SW 53, SW 54, SW 55, and FL 53 @ 4' through FL 56 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples SW 53, SW 54, and SW 55 to 288 mg/kg in soil sample FL 53 @ 4'.

On December 30, 2021, Etech collected 17 confirmation soil samples (NW 40, NW 41, NW 49, NW 50, NW 51, SW 40, SW 41, SW 49 through SW 52, FL 33, FL 34, and FL 43 through FL 46) 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples NW 40 and SW 50 to 384 mg/kg in soil sample FL 43.

On January 7, 2022, Etech collected five (5) confirmation soil samples (NW 42, WW 5, WW 7, FL 35 @ 3', and FL 37 @ 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 below the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples WW 7 and FL 37 @ 3' to 16.0 mg/kg in soil samples NW 42, WW 5, and FL 35 @ 3'.

The final dimensions of the excavated area were approximately 2,515 feet in length, five (5) to 200 feet in width, and 1.5 to three (3) feet in depth. During the course of remediation activities, Etech transported approximately 6,956 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 6,960 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 3B, "Site & Sample Location Map (Excavation)". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the release 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 contoured and compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency- and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

7.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate 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 provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Zach 17/8 release site.

8.0 LIMITATIONS

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

This report has been prepared for the benefit of 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

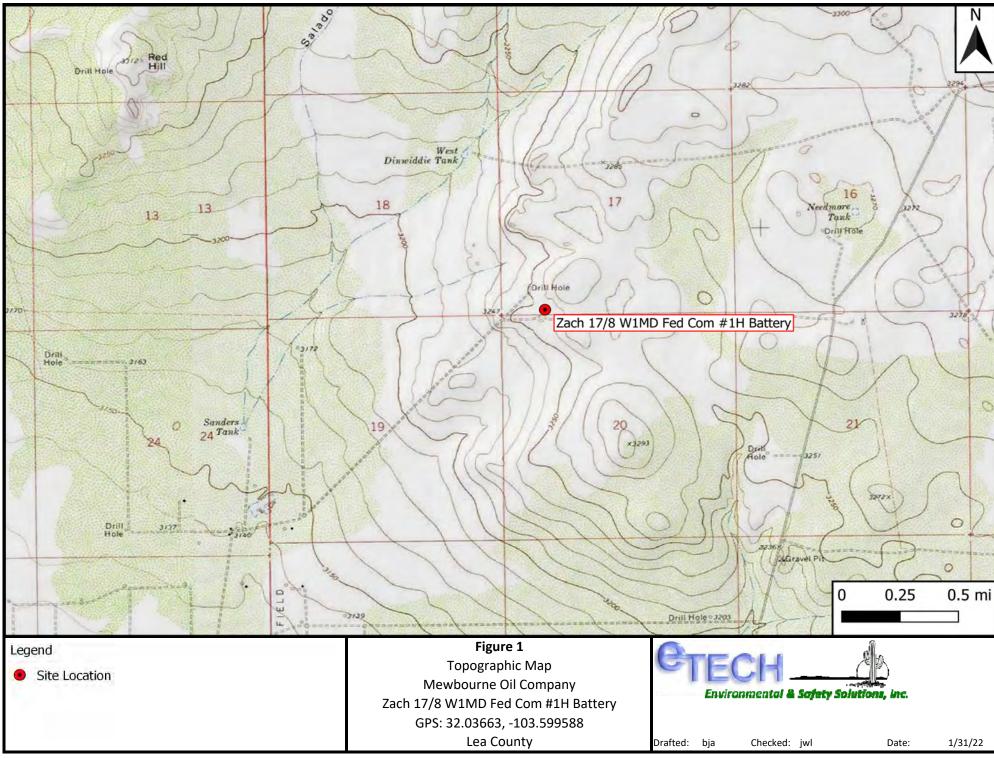
Oil Conservation Division, District 1 1220 South St. Francis Drive Santa Fe, NM 87505

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

(Electronic Submission)

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Figure 1 Topographic Map

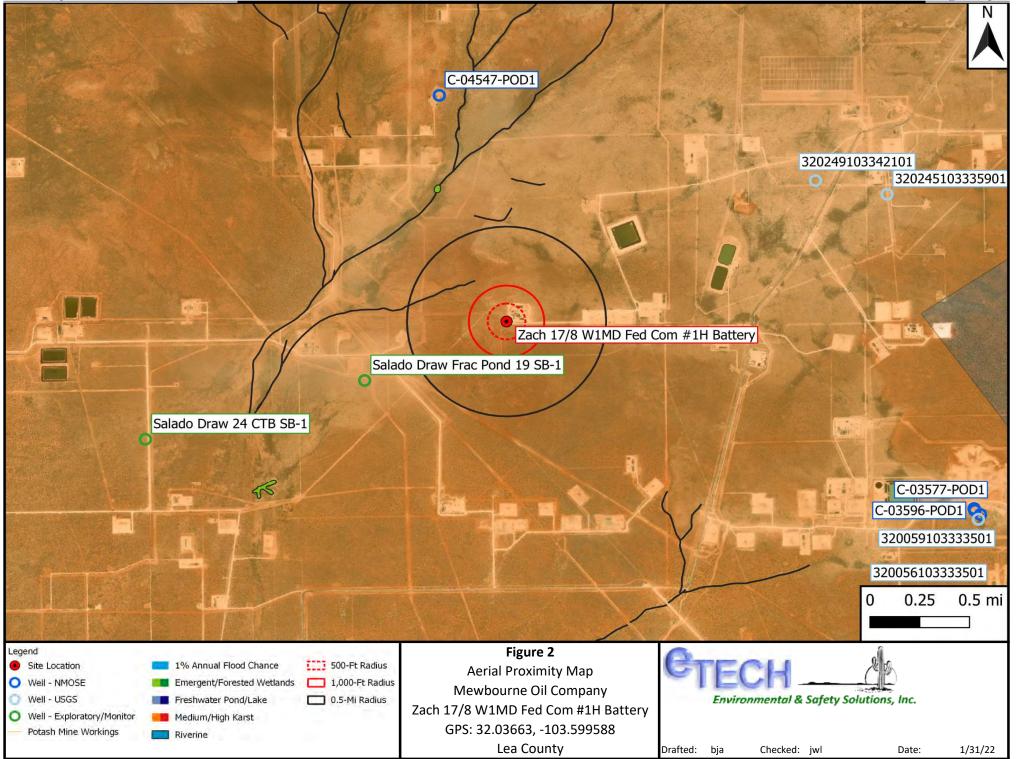


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Figure 2 Aerial Proximity Map

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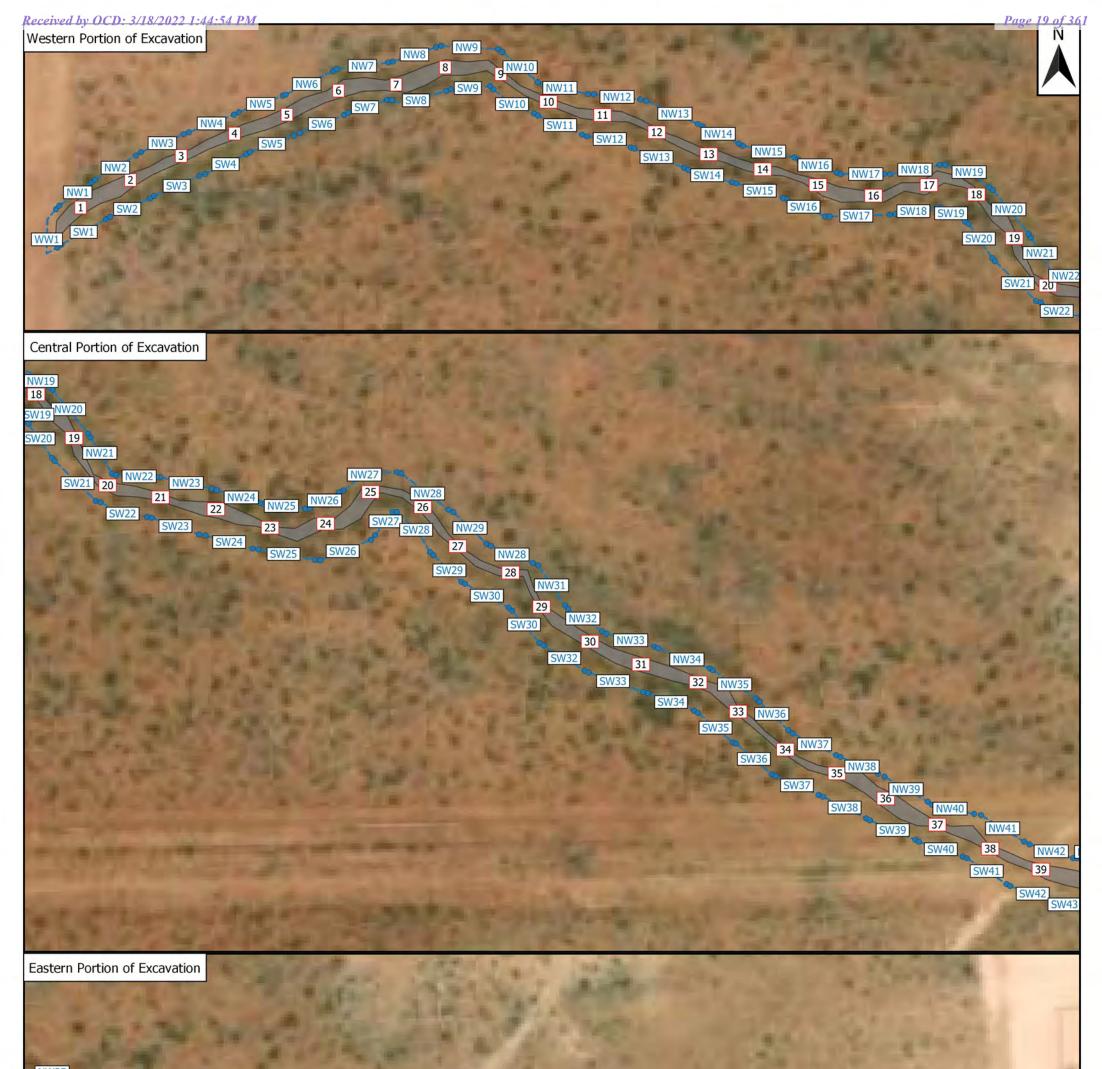


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Figure 3A & 3B Site & Sample Location Maps





NW35 NW36

34 NW37 SW36 35 NW38 SW37

SW37 SW38 SW38 SW38

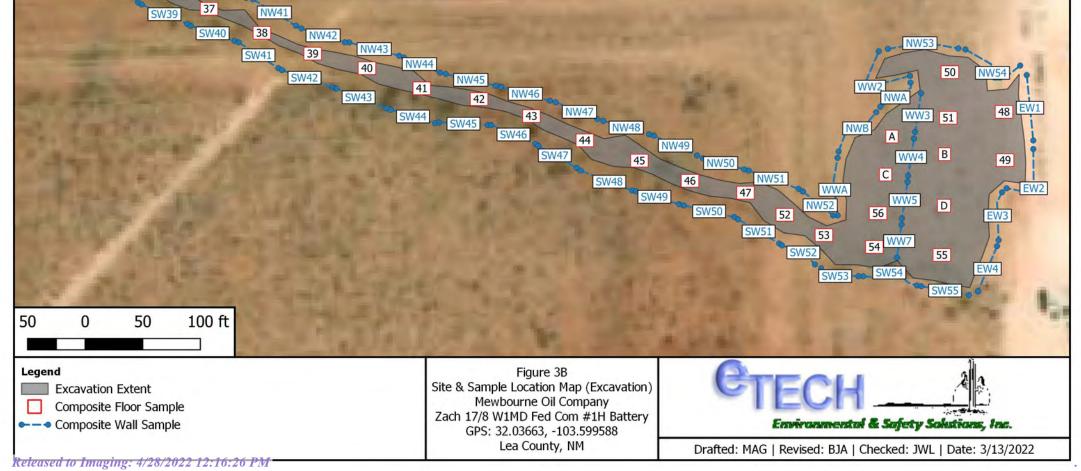


Table 1Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company											
			Z	ach 17/8 V	W1MD Fe	d Com #1	H Battery	,			
					D Ref. #: r	APP2127	433772				
	CD Closure C			10	50	-	-	-	-	100	600
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
			~ !	5W 840	6 8021B			GRO +			4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	DRO C ₆ -C ₂₈	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
					Delineatior		(88)	(mg/kg)	(88)	(88)	
SD-1 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-2 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-3 @ 3'	10/4/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-4 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-5 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-6 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-7 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-8 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-9 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-10 @ 3'	10/4/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-11 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-12 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-13 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-14 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-15 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-16 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-17 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-18 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-19 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-20 @ 3'	10/6/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-21 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-22 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-23 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-24 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-25 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-26 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-27 @ 3'	10/7/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-28 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-29 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-30 @ 3'	10/7/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-31 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-32 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-33 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-34 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-35 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-36 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-37 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-38 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-39 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-40 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0

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	Table 1										
			Conce		· · · · · · · · · · · · · · · · · · ·		Chloride in	n Soil			
					wbourne (-	·				
			Z				H Battery	r			
					D Ref. #: n	APP2127	433772	1		1	1
	CD Closure C			10	50	-	-	-	-	100	600
NMOCL	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 840	5 8021B		SW	646 8015M GRO +			4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	$\frac{\text{DRO}}{\text{C}_6\text{-}\text{C}_{28}}$ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C6-C36 (mg/kg)	Chloride (mg/kg)
SD-41 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-42 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-43 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-44 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-45 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-46 @ 3'	10/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-47 @ 3'	10/7/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-48 @ 3'	10/7/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-49 @ 3'	10/7/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-50 @ 3'	10/7/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-51 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-52 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-53 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-54 @ 3'	10/8/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-55 @ 3'	10/8/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-56 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-57 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-58 @ 3'	10/8/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-59 @ 3'	10/8/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-60 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-61 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-62 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-63 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SD-64 @ 3'	10/8/2021	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	1				Excavation	_		1			
NW 1	12/8/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 2	12/8/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
NW 3	12/1/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 4	12/1/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 5	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 6	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 7	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 8	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 9	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 10	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 11	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 12	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 13	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 14	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 15	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 16	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

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Table 1											
			Conce				Chloride in	n Soil			
					wbourne (-	·				
			Z		W1MD Fe D Ref. #: n		H Battery 433772	7			
NMC	OCD Closure C	riteria		10	50	-	-	-	-	100	600
NMOCI	AOCD Reclamation Standard 10					-	_	-	-	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C6-C36 (mg/kg)	Chloride (mg/kg)
NW 17	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 18	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 19	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 20	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 21	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 22	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 23	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 24	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 25	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 26	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 27	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 28	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 29	12/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 30	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 31	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 32	12/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 33	12/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 34	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 35	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 36	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 37	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 38	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 39	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
NW 40	12/30/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 41	12/30/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 42	1/7/2022	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 43	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 44	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 45	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 46	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 47	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 48	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 49	12/30/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 50	12/30/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 51	12/30/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 52	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 53	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 54	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NWA	12/17/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NWB	12/17/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 1	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0

Red: NMOCD Reclamation Standard exceedance.

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Table 1											
			Conce		of BTEX,			ı Soil			
					wbourne (-	•				
			Z		W1MD Fe D Ref. #: n		·				
NMO	CD Closure C	ritorio		10	50 Stell		455772			100	600
	Reclamation			10	50	-	-	-	-	100	600
	Reclamation	Standard		-	5 8021B	-		- 7 846 8015M (- Ext	100	4500 Cl
		Depth	Soil	511 011		GRO	DRO	GRO +	ORO	ТРН	
Sample ID	Date	(Feet)	Status	Benzene	BTEX	C_6-C_{10}	C ₁₀ -C ₂₈	DRO	C ₂₈ -C ₃₆	C ₆ -C ₃₆	Chloride
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C ₆ -C ₂₈ (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
EW 2	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 3	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 4	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 1	12/8/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 2	12/8/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 3	12/1/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW 4	12/1/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 5	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 6	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 7	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 8	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 9	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 10	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 11	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 12	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 13	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 14	12/2/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 15	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 16 SW 17	12/3/2021	1.5	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 17 SW 18	12/3/2021 12/3/2021	1.5 1.5	In-Situ In-Situ	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	16.0 160
SW 18 SW 19	12/3/2021	1.5	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SW 20	12/3/2021	1.5	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 20	12/3/2021		In-Situ		<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 22	12/3/2021	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 22 SW 23	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 24	12/3/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 25	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 26	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 27	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 28	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 29	12/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 30	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
SW 31	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW 32	12/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 33	12/7/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 34	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 35	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 36	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 37	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 38	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192

Red: NMOCD Reclamation Standard exceedance.

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Table 1 Concentrations of BTEX, TPH & Chloride in Soil											
			conce		wbourne (
			Z			-	H Battery	,			
					D Ref. #: r		·				
NMO	CD Closure C	riteria		10	50	-	-	-	-	100	600
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 840	5 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth	Soil	1	DEDU	GRO	DRO	GRO +	ORO	ТРН	
Sample ID	Date	(Feet)	Status	Benzene (mg/kg)	BTEX (mg/kg)	C6-C10	C10-C28	DRO C ₆ -C ₂₈	C ₂₈ -C ₃₆	C6-C36	Chloride (mg/kg)
				(ing/kg)	(ing/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ing/kg)
SW 39	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW 40	12/30/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 41	12/30/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SW 42	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 43	12/9/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW 44	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 45	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 46	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 47	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW 48	12/10/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 49	12/30/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 50	12/30/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 51	12/30/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 52	12/30/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 53	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 53	12/20/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 54	12/20/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 55	12/20/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 1	12/7/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 2	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 3	12/16/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
WW 4	12/16/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 5	1/7/2022	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 7	1/7/2022	2	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WWA	12/17/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 1 @ 3'	12/8/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 2 @ 3'	12/8/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 3 @ 4'	12/8/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 4 @ 3'	12/1/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 5 @ 3'	12/1/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 6 @ 3'	12/2/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 7 @ 3'	12/2/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 8 @ 3'	12/2/2021	3	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 9 @ 3'	12/2/2021	3	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 10 @ 3'	12/2/2021	3	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 11 @ 3'	12/2/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 12 @ 3'	12/2/2021	3	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 13 @ 3'	12/2/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 14 @ 3'	12/3/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 15 @ 3'	12/3/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 16 @ 3'	12/3/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112

Red: NMOCD Reclamation Standard exceedance.

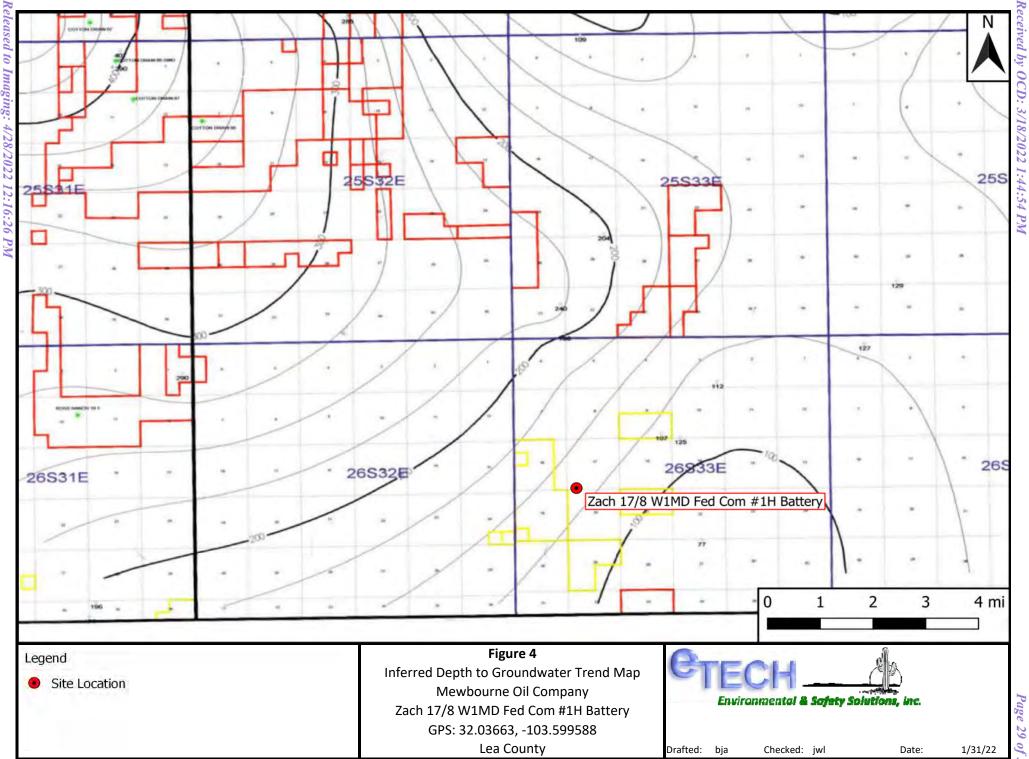
Page	26	of	' 361	
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Table 1											
			Conce		of BTEX,			soil			
			_		wbourne (-	•				
			Z		W1MD Fe		v				
	<u></u>				D Ref. #: n	APP2127	433772				
	CD Closure C			10	50	-	-	-	-	100	600
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 840	5 8021B			846 8015M			4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO	DRO	DRO	ORO	ТРН	Chloride
		(1 cct)	Status	(mg/kg)	(mg/kg)	C ₆ -C ₁₀ (mg/kg)	C ₁₀ -C ₂₈ (mg/kg)	C ₆ -C ₂₈	C ₂₈ -C ₃₆ (mg/kg)	C ₆ -C ₃₆ (mg/kg)	(mg/kg)
FL 17 @ 3'	12/3/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <20.0	<10.0	<30.0	208
FL 17 @ 3 FL 18 @ 3'	12/3/2021	3	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 19 @ 3'	12/3/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 20 @ 3'	12/3/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 21 @ 3'	12/7/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 22 @ 3'	12/7/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 23 @ 3'	12/7/2021	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 24 @ 3'	12/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 25 @ 3'	12/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 26 @ 3'	12/7/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 27 @ 4'	12/9/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 28 @ 3'	12/9/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 29 @ 3'	12/9/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 30 @ 4'	12/9/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 31 @ 3'	12/9/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 32 @ 3'	12/9/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 33	12/30/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 34	12/30/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 35 @ 3'	1/7/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 36 @ 3'	12/9/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 37 @ 3'	1/7/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 38 @ 3'	12/9/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 39 @ 3'	12/10/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 40 @ 3'	12/10/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 41 @ 3'	12/10/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 42 @ 3'	12/10/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 43	12/30/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 44	12/30/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 45	12/30/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 46	12/30/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 47 @ 3.5'	12/16/2021	3.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 48	12/16/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 49	12/16/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 50 @ 4'	12/16/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 51 @ 4'	12/16/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 52 @ 4'	12/16/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 53 @ 4'	12/20/2021	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 54 @ 4' FL 55 @ 4'	12/20/2021 12/20/2021	4	In-Situ In-Situ	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	240 64.0
FL 55 @ 4' FL 56 @ 4'	12/20/2021	4	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 36 @ 4 FLA @ 1.5'	12/20/2021	4	In-Situ In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
$\Gamma LA @ 1.3$	12/1//2021	1.3	m-siu	~0.030	~0.300	~10.0	~10.0	∼∠0.0	<i>\</i> 10.0	<u>∽30.0</u>	530

Red: NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Zach 17/8 W1MD Fed Com #1H Battery NMOCD Ref. #: nAPP2127433772											
NMO	NMOCD Closure Criteria 10 50						-	-	-	100	600
NMOCD Reclamation Standard 10 50						-	-	-	-	100	600
				SW 840	5 8021B			4500 Cl			
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FLB @ 1.5'	12/17/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FLC @ 1.5'	12/17/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FLD @ 1.5'	12/17/2021	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

Appendix A Depth to Groundwater Information



Imaging:

Page 29 of 361

Survey of Street	W	lat						00	v		te Engino epth to		ter	
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD been repl O=orpha C=the fil closed)	laced, ned,		(1				√ 2=NE est to lar	3=SW 4=S gest) (1	E) NAD83 UTM in 1	meters)	(In f	feet)	
		Sub-		00	0								W	ater
POD Number	Code	basin	County		-	Sec	Tws	Rng	Х	Y	DistanceDep	thWellDep		
<u>C 04547 POD1</u>		CUB	LE	2 4	4	07	26S	33E	631686	3547262 🌍	1984	112		
<u>C 02273</u>		CUB	LE	1	2	21	26S	33E	634549	3545134* 🌍	2329	160	120	40
										Avera	age Depth to Wate	r:	120 feet	t
											Minimum Dep	th:	120 feet	t
											Maximum Dep	th:	120 feet	t
Record Count: 2														
UTMNAD83 Radiu	s Search <u>(i</u> 1	1 meters	<u>):</u>											
Easting (X): 632	2229.58		North	ning (Y): 1	3545	353.18	3		Radius: 3220				
*UTM location was derived	from PLSS	- see Heli	n											

11/16/21 8:54 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer Point of Diversion Summary

	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)	(NAD83 UTM in meters)
Well Tag POD Number	Q64 Q16 Q4 Sec Tws Rng	X Y
C 02273	1 2 21 26S 33E	634549 3545134* 🥌
Driller License: 122	Driller Company: UNKNOV	VN
Driller Name: UNKNOWN		
Drill Start Date:	Drill Finish Date: 12/31/19	Plug Date:
Log File Date:	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield: 5 GPM
Casing Size: 6.00	Depth Well: 160 feet	Depth Water: 120 feet

*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.

11/16/21 8:54 AM

POINT OF DIVERSION SUMMARY



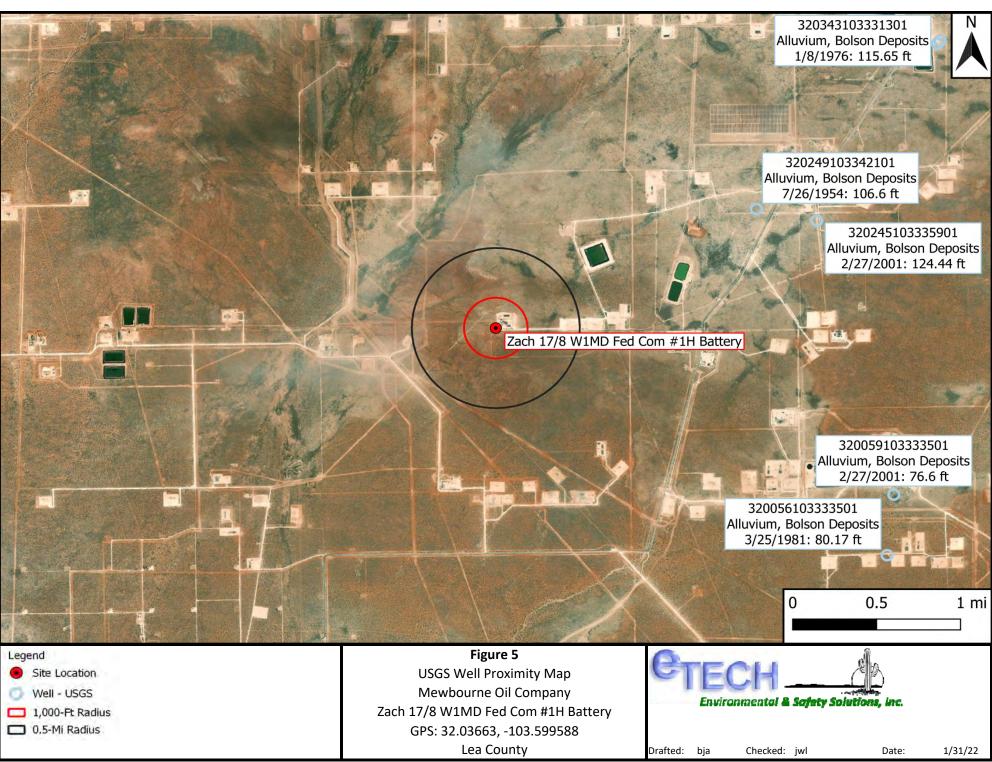
New Mexico Office of the State Engineer **Point of Diversion Summary**

		(1				IE 3=SV alargest	(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y	
NA	C 04547 POD	2	4	4	07	26S	33E	631686	3547262 🧧	
x Driller Lic	ense: 1249	Drille	er Con	npa	ny:	AT	KINS EN	IGINEERIN	G ASSOC. II	NC.
Driller Na	me: ATKINS,	JACKIE D.UELI	ENER							
Drill Start	Date: 07/15/202	21 Drill	Finish	ı Da	te:	0	7/15/202	1 Plug	g Date:	
Log File D	ate: 08/02/202	21 PCW	Rcv l	Date	:			Sou	rce:	Shallow
Pump Typ	e:	Pipe	Discha	arge	Size:	1		Esti	mated Yield	:
	e:		n Well				12 feet		oth Water:	

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.

11/16/21 8:54 AM

POINT OF DIVERSION SUMMARY



ceived

by

OCD: 3/18/2022 1:44:54 PM



National Water Information System: Web Interface USGS Water Resources

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 =

• 320249103342101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320249103342101 26S.33E.09.443142

Lea County, New Mexico Latitude 32°02'49", Longitude 103°34'21" NAD27 Land-surface elevation 3,283 feet above NAVD88 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Ou	tput	format	s

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1954-07-26	6	D	72019	106.60			1	Z			

USGS Home Contact USGS Search USGS

 Data Category:
 Geographic Area:

 Groundwater
 Vilted States
 GO

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

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

Accessibility FOIA Privacy Policies and Notices

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

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: 2022-03-13 23:22:47 EDT 0.44 0.3 nadww01 USA.gov

Appendix B Field Data & Soil Profile Logs

Page 37 of 361 \$ 505 20 1F tal & Safety Solut

FLZ7 SW34 FLZ7 SW34 500 SHFZ Abors Sam SOLF WALLS 15048 Latit

21

Project: Project Number:

1 2 1.7

Date:

,			Retorit?
Sample ID	PID/Odor	Chloride Conc.	GPS
FL 27 @ 3'	-	4.2 656	A
FL 28 C3'	-	2.3 240	
FL 28 C 3' FL 29 C 3'	-	3.2 404	
FL 30 @ 31	-	3.8 548	A
5W 34 C 0-31		2.8 240	
SW 35 C 0-3		2.8 240 2.2 216	
SW 36 C 0. 3'		2.0 189	
5W 36 C 0 3' SW 37 C 0-3'	-		
NW 34 C 0-3'		3.0 360 2.8 240	
		2.3 332	- New storts
		2.4 260	
NW36 @ 0-3'		30 372	
EL 27 @ 4'		2.8 332	2
5L 30 C 41	-	3.8 548 3.6 500	7
[L 3] @ 3'	-	3.6 500	
FL 32 @3'	~	3.6 580	
5W34 CO-3' SW 39 EO-3'	-	3.6 500	
SW 39 20-31 NW 32 20-31 NW 39 20-31	-	3,4 452	
NW 32 @ 0-31	-	2,2 278	2
NW 39 @ 0-3'	-	3,8 548	
FL33 A DI		364	
EL 34 Macho	dr	292	
	anation		
SW40 Nom	1	268	
5W41	- Fight	364	
NW 40		200	
NWYI		444	
FL 34 36 C3'	-	3.4 452	
SW42			· · ··································
NIN 47		1.8 1(,4 5.0 888	A IN IC - M DINI
-: 3 A	-	3.0 372	Wait for all Sapars
I SA			
		3.6 500	
565 43			A-
NWN3 V	-	6.3 1692	H
Sample Point = SP #1 @ ## etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b

ample Point = SP

Received by OCD: 3/18/2022 1:44:54 PM

Trench = TT #1 @ # Refusal = SP #1 @ 4'-R

mples= SP #1 @ 5b or SW #1b Stockpile = Stockpile #1

Floor = FL #1 etc

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Date:

Project Number:	15048	Latitude:		Longitude	
				150	-STRONG ODOR!
Sample ID	PID/Odo	or	Chloride Conc.		GPS
NW43	1/4		200	50	PleSuf-T216
NW 44	nia		72	150	P/e/ - 3,592
NW45	na		324	150	P102 - 372 -
SW144	· W/c		260	50	P 2 eSurt 10.076
SW45	· m/c		364	1.50	Pael - 7216
FL30 D			444	1 50	P202'-2.464
FLAO D	3· · 1/4		200	50	P2e3'-888-K
FLAT 2	3' - n/C		364	1 - 0	140 000 1
F142 @	3' - MICA		364	· · · · · · · · · · · · · · · · · · ·	
SW 46	- 19:10-		200		
SW47	11/2		260		
5148	· // 4		148		
<u>NW46</u>	Stra Stra		364	······································	
	3/6		242	·	
<u> </u>					``````````````````````````````````````
<u></u>			324		
Fi 43 a) 3' N/A		492		
FL 4 4 U)3' n/a		364		
	03' n/a		404		I
FL46 0	0 11.5' n1a		364		
SW 49			228		
SW50	h/a		200		
SW51	hig		364		
NW 49	<u></u>		200		
WWSO	nla		128	- <u></u>	
WW51	nia		324		
- FL 497 SW 57	23' por				
SW 57			200		
-NWS2/	-pn				
VW53 10				~	
FL48 ///	v				
F149 / 1/					
150/					
				1	
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 e		Soil Inter	nded to be Deferred = SP #1 (@ 4' In-Situ	GPS Sample Points, Center of Comp Ar
210/21011 - 244 01 (Sou with			at a sumple rolling conter of compris



Date:

Project: #N/A Project Number: #N/A Latitude: #N/A Longitude: #N/A Chloride Conc. Sample ID PID/Odor GPS 364 231 FL4 nla SW3 nla 200 203 WW 3 v IA 231 ξ 172 nla 148 1 W hia 4 nA 51 7 C W 31 364 æ nic 31 200 ଚ nla in/ca 264 æ 31 P ACO 5125 nla 24 SIN 6 nla 00 SIN na 1 nla 64 NWS 24 MA NW6 2 V. /a 1 32 4 SWG 260 nla SIA 1 200 na STAL IN 364 nra A NY Ma 200 2 M Ŵ nla 48 10 W Ma 200 W 231 200 F L a na 22% 3 D 610 nla n/a 6120 \mathcal{P} 3 - 1 \ 128 SIN 11 NICA SW12 n/C na 200) NWI NW12 na 72 2412 \mathfrak{D} nla 404 213 MG 200 NWE3 28 nic 2 3 1 L 13 0 n/α 172 364 14 nra SW 200 NW14 na 3 1 14 N 292 LL nia FL 15 0 3' 364 nla

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ## Refusal = SP #1 @ 4'-R Resamples= SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Received by OCD: 3/1

Sidewall = SW #1 etc

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

Stockpile = Stockpile #1 GPS Sample Points, Center of Comp Areas PM



Date:

Project: Project Number:

15048

. Latitude:

Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
NW 29	na	364	
NW 30	na	404	
NW 31 NW 32	Na		
NW 32	nla	364	
NW 33 SW 25	nla	364 364	
SW 25	n/α	364	
SW 26	nla	200	
5W 27 SW 28 SW 29	inla	128	
5W 28	nla	364 200	
5W 29	na		
5W 30	NIC	404	
Sw 31	nla	364 200	
Su 32	n/α	200	
SUL 33	Ma	364	
NW1	12	260 364	
SW1	21.5	364	
FL1 23'	nla	364	1
SWŹ	81/CR	402	
NW2	Na	404	
FL 3 a 3' FL 3 a 4'	nia	364	
1-23 00 3'	n/a	592	
FL 3 a 4'	nla	364	
-		4	
· · · · · · · · · · · · · · · · · · ·			
Sample Point = SP #1 @ ## etc Floor = FL #1 etc Sidewall = SW #1 etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b
Floor = FL #1 etc		Refusal = SP #1 @ 4'-R	Stockpile = Stockpile #1
Sidewall = SW #1 etc		Soil Intended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Areas

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Date:	12-16-	2	/

Project: 100000 Zach 17-8 WIMD Fed Com IH Project Number:

15048_____Latitude: 32.03663

Longitude: -103.599588

<u>Eric</u> Sample ID	PID/Odor	Chloride Conc.	AVER WW2 - 4 where they GPS
VW 53 VW 54		168	1 eScit6664
VW54	-	140	2es., f 8496
SW 53	-	188	305, 7 14680
EW I		22 54 196	
EW2	-	196	
W3		168	
W4	_	116	
11/11/25 FL 48 el . 44	~	140	
-249-2:74	~	116	
150 e4' FL50 e4'2		3.076 452	
25104	-	536	
11/2	-	1816260	
1W3	~		
NW4	~	168	
15204		500	
=247e31/2		196	
(W52	-	118	
NWA		760 228	
LAe 1/2	-		
- LBe 1/2	-	364	
IWA	-	168	
VWB	-		
LCe)/2		148	
IDell'	-	200 444	
FL53 2 4' FL54 2 4' FL55 24' L56 24'			
FL54 24'	-	364	
	-	364	
5W53	-	200	
SW 54		364	
		324	
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 Are

Floor = FL #1 etc

•

Appendix C Photographic Log

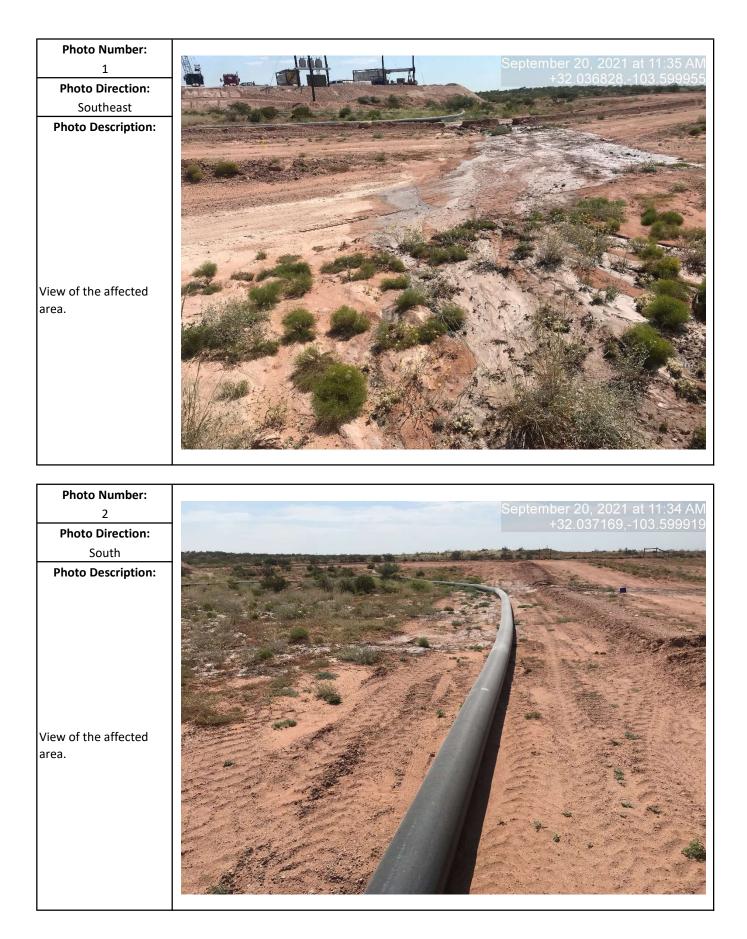
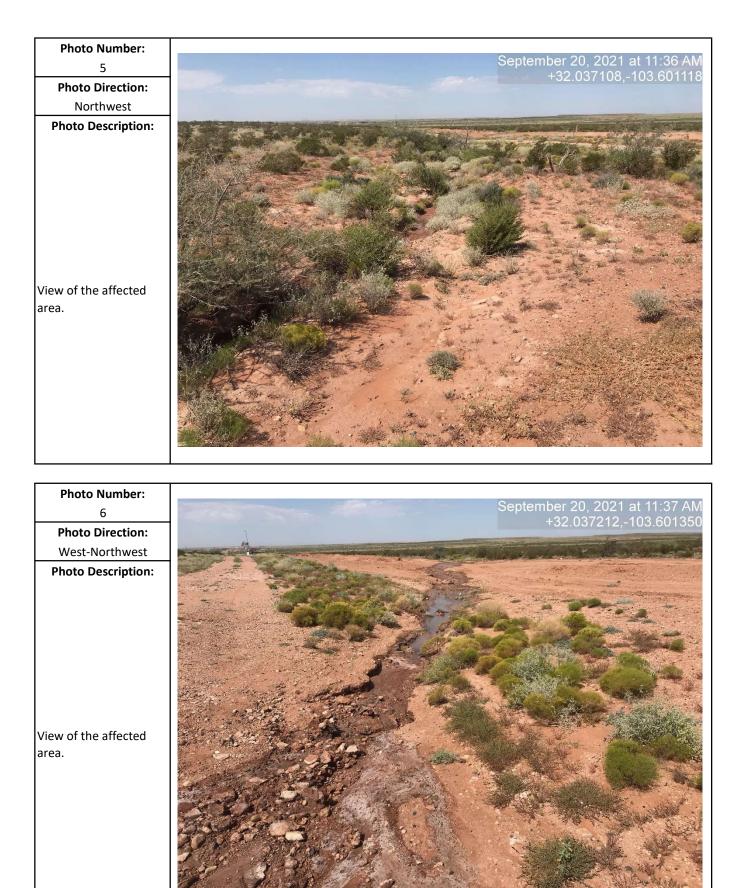
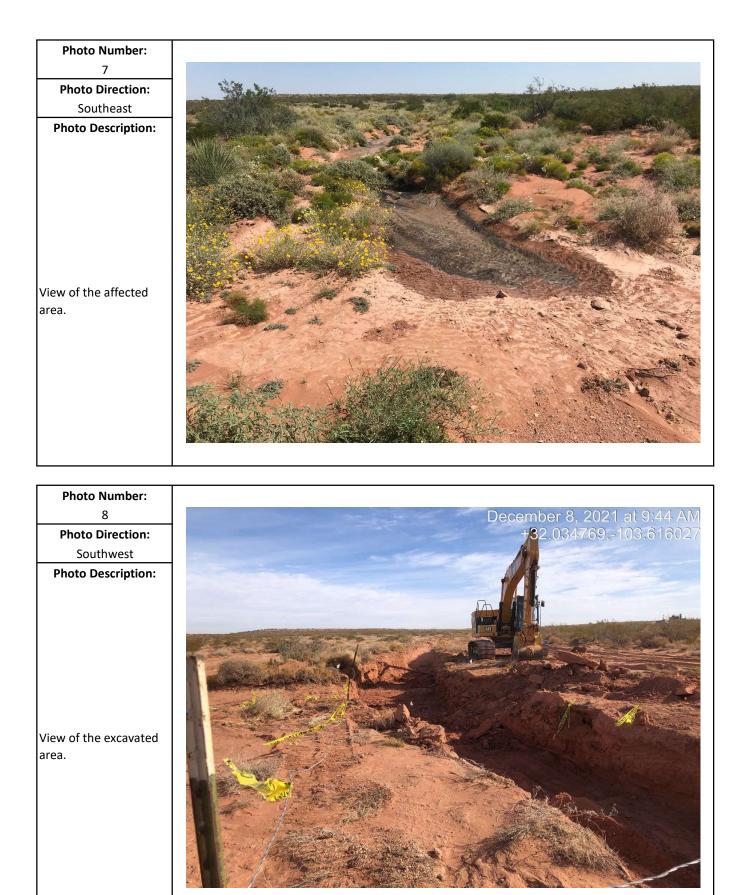
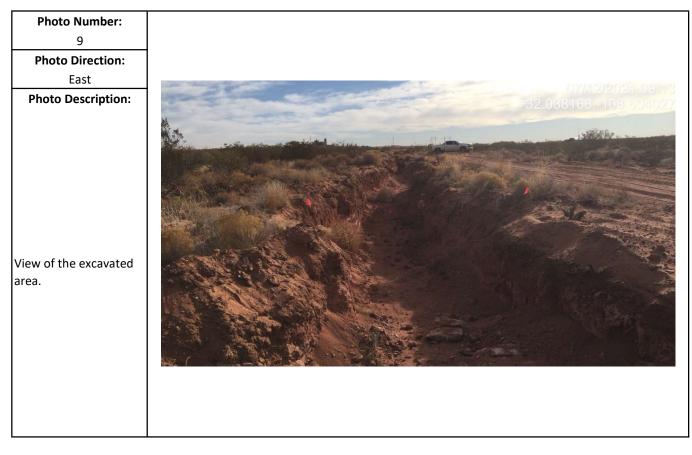


Photo Number:	September 20, 2021 at 06:51 AM +32,036815,-103.600196
3	+32,030613,-103.000190
Photo Direction:	and the second of the
Northwest	
Photo Description:	
View of the affected area.	
Photo Number:	September 20, 2021 at 07:01 AM
4	September 20, 2021 at 07:01 AM +32.037094,-103.601121
Photo Direction:	
East-Northwest	
Photo Description:	
View of the affected area.	









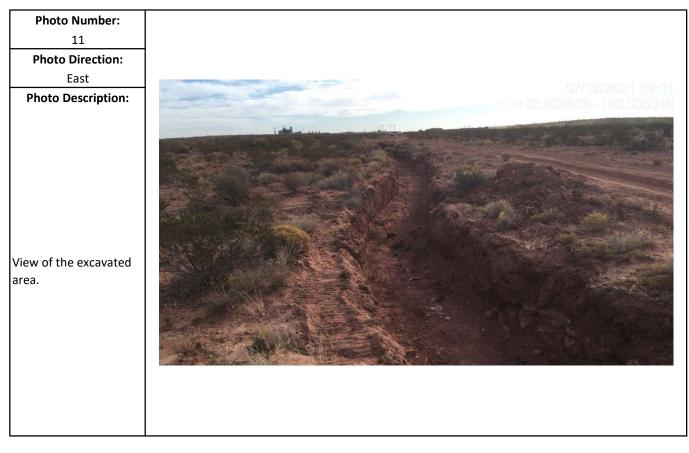
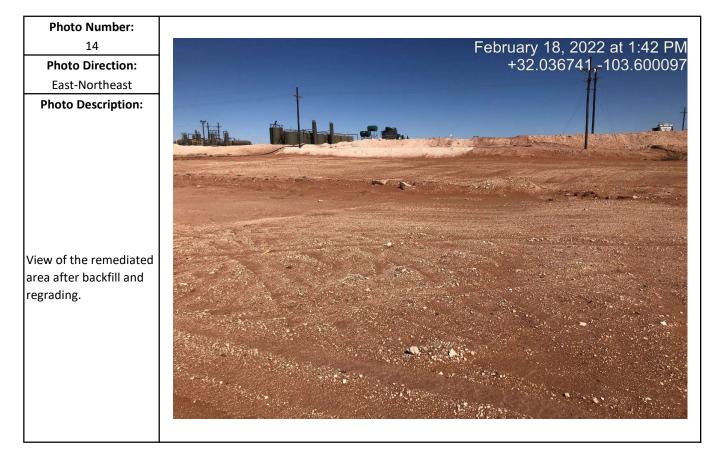
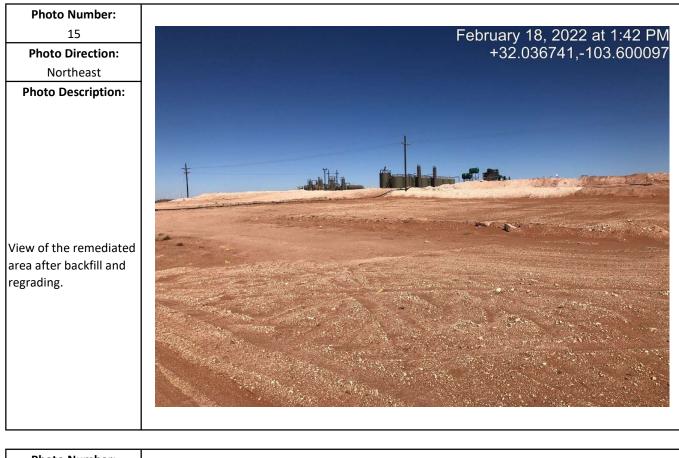


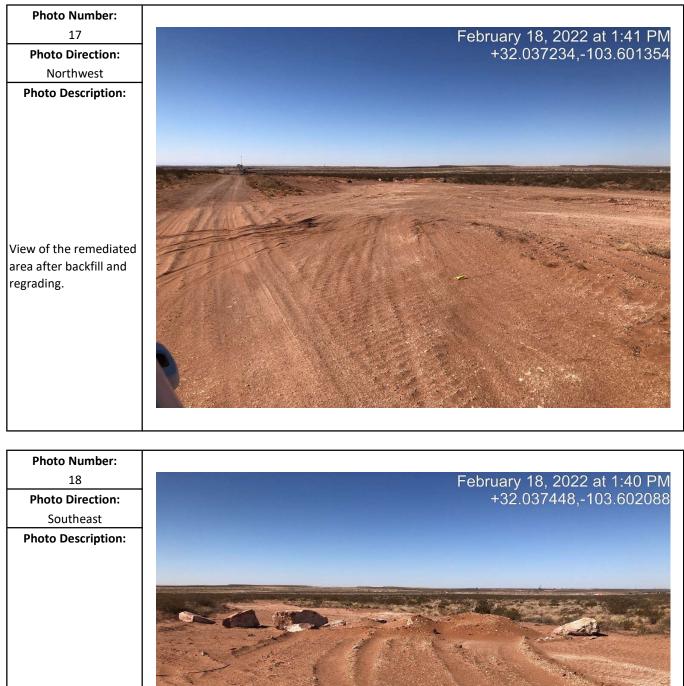


Photo Number:		
13		
Photo Direction:		
East-Northeast	D.	170.000.000.000
Photo Description: View of the excavated area.		









View of the remediated area after backfill and regrading.











Appendix D Laboratory Analytical Reports



October 12, 2021

JOHN FARRELL TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 10/08/21 14:15.

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

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. Keine

Celey D. Keene Lab Director/Quality Manager



TRINITY OILFIELD SERVICES & RENTALS, LLC JOHN FARRELL P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 1 @ 3' (H212826-01)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	QR-03
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	<16.0	16.0	10/11/2021	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	Qualifie
GRO C6-C10*	<10.0	10.0	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	% 38.9-14	•						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DILFIELD SERVICES & RENTALS, LLC	
RELL	
2587	
1, 88241	
NONE	
२ (OILFIELD SERVICES & RENTALS, LLC RELL (2587 M, 88241 NONE

Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 2 @ 3' (H212826-02)

BTEX 8021B	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	115 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY O	ILFIELD SERVICES & RENTALS, LLC	
John Fari	RELL	
P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 3 @ 3' (H212826-03)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

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P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 4 @ 3' (H212826-04)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	116 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116 9	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 5 @ 3' (H212826-05)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 9	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 6 @ 3' (H212826-06)

BTEX 8021B	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	111 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	108	% 38.9-14	2						

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2587	
1, 88241	
NONE	
	DILFIELD SERVICES & RENTALS, L RELL 2587 4, 88241 NONE

Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 7 @ 3' (H212826-07)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 8 @ 3' (H212826-08)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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Fax To:	NONE						

Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 9 @ 3' (H212826-09)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/09/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	118 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116 9	% 38.9-14	2						

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HOBBS NM	, 88241	
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Received:	10/08/2021	Sampling Date:	10/04/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 10 @ 3' (H212826-10)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 11 @ 3' (H212826-11)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 12 @ 3' (H212826-12)

BTEX 8021B	mg,	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	103	44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	38.9-14	2						

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HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 13 @ 3' (H212826-13)

BTEX 8021B	mg,	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	97.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.3	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 14 @ 3' (H212826-14)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	113 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 15 @ 3' (H212826-15)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 16 @ 3' (H212826-16)

BTEX 8021B	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	214	107	200	7.83	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	221	111	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 17 @ 3' (H212826-17)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	86.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.4	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 18 @ 3' (H212826-18)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	86.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.9	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 19 @ 3' (H212826-19)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.08	104	2.00	4.22	
Toluene*	<0.050	0.050	10/10/2021	ND	2.01	101	2.00	4.93	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.98	99.2	2.00	4.14	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	6.06	101	6.00	3.43	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	72.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.9	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/05/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 20 @ 3' (H212826-20)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	81.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.2	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 21 @ 3' (H212826-21)

BTEX 8021B	mg,	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	97.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.6	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 22 @ 3' (H212826-22)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.4	% 38.9-14	2						

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HOBBS NM	, 88241	
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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 23 @ 3' (H212826-23)

BTEX 8021B	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	84.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.0	% 38.9-14	2						

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Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 24 @ 3' (H212826-24)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	86.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.1	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 25 @ 3' (H212826-25)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	81.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.9	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 26 @ 3' (H212826-26)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.5	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 27 @ 3' (H212826-27)

BTEX 8021B	mg,	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.2	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 28 @ 3' (H212826-28)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	85.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.0	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 29 @ 3' (H212826-29)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.8	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/06/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 30 @ 3' (H212826-30)

BTEX 8021B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.0	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 31 @ 3' (H212826-31)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.7	% 38.9-14	2						

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NONE	
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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 32 @ 3' (H212826-32)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.8	% 38.9-14	2						

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HOBBS NM	, 88241	
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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 33 @ 3' (H212826-33)

BTEX 8021B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	82.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.5	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



TRINITY O	ILFIELD SERVICES & RENTALS, LLC	
John Fari	RELL	
P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 34 @ 3' (H212826-34)

BTEX 8021B	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.6	% 38.9-14	2						

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P. O. BOX 2	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 35 @ 3' (H212826-35)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	81.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.0	% 38.9-14	2						

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P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 36 @ 3' (H212826-36)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	204	102	200	15.5	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	195	97.3	200	26.3	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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JOHN FARRELL	
P. O. BOX 2587	
HOBBS NM, 88241	
Fax To: NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 37 @ 3' (H212826-37)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	38.9-14	2						

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P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 38 @ 3' (H212826-38)

BTEX 8021B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.2	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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RELL	
2587	
1, 88241	
NONE	
1	DILFIELD SERVICES & RENTALS, RELL 2587 4, 88241 NONE

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 39 @ 3' (H212826-39)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2021	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	10/10/2021	ND	2.00	100	2.00	2.29	
Ethylbenzene*	<0.050	0.050	10/10/2021	ND	1.96	97.9	2.00	2.51	
Total Xylenes*	<0.150	0.150	10/10/2021	ND	5.95	99.2	6.00	1.91	
Total BTEX	<0.300	0.300	10/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.3	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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John Farr	ELL	
P. O. BOX 2	587	
HOBBS NM	88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 40 @ 3' (H212826-40)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.0	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 41 @ 3' (H212826-41)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.0	% 38.9-14	2						

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John Far	RELL	
P. O. BOX	2587	
HOBBS N	1, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 42 @ 3' (H212826-42)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	97.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.7	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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John Fari	RELL	
P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 43 @ 3' (H212826-43)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	104 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	108 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



TRINITY O	ILFIELD SERVICES & RENTALS, LLC	
John Fari	RELL	
P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 44 @ 3' (H212826-44)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	84.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.7	% 38.9-14	2						

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Fax To:	NONE	

Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 45 @ 3' (H212826-45)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	98.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.3	% 38.9-14	2						

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HOBBS NM,	88241	
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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 46 @ 3' (H212826-46)

BTEX 8021B	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	84.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.3	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 47 @ 3' (H212826-47)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.3	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 48 @ 3' (H212826-48)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 49 @ 3' (H212826-49)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	97.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100 9	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/07/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 50 @ 3' (H212826-50)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/08/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 51 @ 3' (H212826-51)

BTEX 8021B	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.0	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 52 @ 3' (H212826-52)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	93.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.0	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 53 @ 3' (H212826-53)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	97.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.4	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 54 @ 3' (H212826-54)

BTEX 8021B	mg/	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	94.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.8	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 55 @ 3' (H212826-55)

BTEX 8021B	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116 9	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 56 @ 3' (H212826-56)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	217	108	200	8.35	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	217	109	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	93 .7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.3	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 57 @ 3' (H212826-57)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2021	ND	1.81	90.7	2.00	11.8	
Toluene*	<0.050	0.050	10/09/2021	ND	1.84	91.8	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/09/2021	ND	1.79	89.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/09/2021	ND	5.32	88.7	6.00	12.6	
Total BTEX	<0.300	0.300	10/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	107 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 58 @ 3' (H212826-58)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2021	ND	1.88	93.8	2.00	6.03	
Toluene*	<0.050	0.050	10/12/2021	ND	1.82	91.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	10/12/2021	ND	1.79	89.6	2.00	6.17	
Total Xylenes*	<0.150	0.150	10/12/2021	ND	5.45	90.8	6.00	6.08	
Total BTEX	<0.300	0.300	10/12/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	99.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.5	% 38.9-14	2						

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HOBBS NM	88241	
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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 59 @ 3' (H212826-59)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2021	ND	1.88	93.8	2.00	6.03	
Toluene*	<0.050	0.050	10/12/2021	ND	1.82	91.2	2.00	6.25	
Ethylbenzene*	<0.050	0.050	10/12/2021	ND	1.79	89.6	2.00	6.17	
Total Xylenes*	<0.150	0.150	10/12/2021	ND	5.45	90.8	6.00	6.08	
Total BTEX	<0.300	0.300	10/12/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	111 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 60 @ 3' (H212826-60)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2021	ND	1.92	96.2	2.00	11.7	
Toluene*	<0.050	0.050	10/11/2021	ND	1.88	94.2	2.00	11.7	
Ethylbenzene*	<0.050	0.050	10/11/2021	ND	1.85	92.5	2.00	11.5	
Total Xylenes*	<0.150	0.150	10/11/2021	ND	5.62	93.7	6.00	10.7	
Total BTEX	<0.300	0.300	10/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 61 @ 3' (H212826-61)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2021	ND	1.92	96.2	2.00	11.7	
Toluene*	<0.050	0.050	10/11/2021	ND	1.88	94.2	2.00	11.7	
Ethylbenzene*	<0.050	0.050	10/11/2021	ND	1.85	92.5	2.00	11.5	
Total Xylenes*	<0.150	0.150	10/11/2021	ND	5.62	93.7	6.00	10.7	
Total BTEX	<0.300	0.300	10/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	99.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.7	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 62 @ 3' (H212826-62)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	nzene* <0.050 0.050		10/11/2021	ND	1.92	96.2	2.00	11.7	
Toluene*	<0.050	0.050	10/11/2021	ND	1.88	94.2	2.00	11.7	
Ethylbenzene*	<0.050	0.050	10/11/2021	ND	1.85	92.5	2.00	11.5	
Total Xylenes*	<0.150	0.150	10/11/2021	ND	5.62	93.7	6.00	10.7	
Total BTEX	<0.300 0.300		10/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 63 @ 3' (H212826-63)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		10/11/2021	ND	1.92	96.2	2.00	11.7	
Toluene*	<0.050	0.050	10/11/2021	ND	1.88	94.2	2.00	11.7	
Ethylbenzene*	<0.050	0.050	10/11/2021	ND	1.85	92.5	2.00	11.5	
Total Xylenes*	<0.150	0.150	10/11/2021	ND	5.62	93.7	6.00	10.7	
Total BTEX	<0.300 0.300		10/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.4	% 38.9-14	2						

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Received:	10/08/2021	Sampling Date:	10/08/2021
Reported:	10/12/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO NM		

Sample ID: SD - 64 @ 3' (H212826-64)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2021	ND	1.92	96.2	2.00	11.7	
Toluene*	<0.050	0.050	10/11/2021	ND	1.88	94.2	2.00	11.7	
Ethylbenzene*	<0.050	0.050	10/11/2021	ND	1.85	92.5	2.00	11.5	
Total Xylenes*	<0.150	0.150	10/11/2021	ND	5.62	93.7	6.00	10.7	
Total BTEX	<0.300	0.300	10/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/11/2021	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	10/09/2021	ND	216	108	200	3.45	
DRO >C10-C28*	<10.0	10.0	10/09/2021	ND	214	107	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/09/2021	ND					
Surrogate: 1-Chlorooctane	97.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.2	% 38.9-14	2						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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.
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 SM4500CI-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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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	101 Ea	st Maria	nd, Hot	obs, N	IM 88240
	(575)	393-232	6 FAX	(575)	393-2476
any Mamo	Trin	ibi Oilfield	Canica	2 De	ntole LLC

Company Name	a: Trinity Oitfield Serv	inity Oilfield Services & Rentals LLC					BILL TO				ANALYSIS REQUEST								
Project Manage	r: John Farrell						P	P.O. #:											
Address:	8426 N Dal Paso						c	Company: Mewbourne Oil Co										1 1	
City:	Hobbs	St NM	Zip 88	3241			A	ttn: Robi	bie Runnels										
Phone #:	575 390-7560	Fax #:					A	ddress: 7	701 S Cecil St										
Project #:		Project Owne	ioh	nætrin	itvoilfield	services.c	1	ity: Hobi											
Project Name:	Zach 17-8 W1MD		1. 1011	The Carton	Il younicid			State: NM Zip: 88240											
Project Location: Lea County, NM		-			22188	40	X	I	Chloride										
		2			_			hone #:	5/50	22100		BTEX	TPH	ollo	- 1				
FOR LAB USE ONLY	Kenny	Page 1 of	11	-	MAT	THY	P	ax #: PRESEF	N/I	SAMPLING									
Lab I.D.	Sample	I.D.	(G)RAB OR (C)OM # CONTAINERS		GROUNDWATER WASTEWATER SOIL	OIL		ACID/BASE ICE / COOL	DATE		TIME								
1	SD-1 @ 3'		G	1	X	-	-	X	10/4/2021		9:00	X	Х	X		-			-
2	SD-2 @ 3'		G	1	X		-	X	10/4/2021		9:05	X	X	X		-			
3	SD-3 @ 3'		G	1	X		-	X	10/4/2021		9:10	X	X	X					-
4	SD-4 @ 3'		G	1	X		-	X	10/4/2021		9:15	X	X	X		-			
5	SD-5 @ 3'		G	1	X	_		X	10/4/2021		9:20	X	X	X			-		
6	SD-6 @ 3'		G	1	X			X	10/4/2021		9:25	X	X	X		-			
7	SD-7 @ 3'		G	1	X			X	10/4/2021		9:30	X	X	X					
	SD-8 @ 3'		G	1	X			X	10/4/2021		9:35	X	X	X					
9	SD-9 @ 3'		G	1	X			X	10/4/2021		9:40	X	X	X					
	SD-10 @ 3'		G	1	X			X	10/4/2021		9:45	X	X	X					

PLEASE NOTE: Labity and Damages Cardinal's I billy and client's exclueive re r any claim ansing wi analyses. All clasms including those for negligence and any other cause whetboower shall be deemed waived unless made in enting and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal ler legite for incidential or consequential damages including without timitation, business interruptions loss of use, or loss of profile wound by client, its subsidiance.

Relinguished By	Date: Received By: i G/2/21 Time: 415	Verbal Result:
Relinquished By:	Date: Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C 4,0 Sample Condition CHECKED BY: Cool Intact Cool Intact (Initials) Corrected Temp. *C 3.5 Yes Yes	Turnaround Time: Standard X Bacteria (only) Sample Condition Thermometer ID Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.3 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.3 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.3 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.4 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.4 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.4 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.4 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.4 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.4 °C Thermometer ID Thermometer ID Thermometer ID Thermometer ID Correction Factor + 0.4 °C Thermometer ID Therm

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240

Company Name	: Trinity Oilfield Services	& Rentals LLC				BILL TO		ANALYSIS REQUEST						
Project Manage	r: John Farrell		-		P.O. #:									
Address:	8426 N Dal Paso				Company:	Mewbourne Oil Co								
City:	Hobbs S	St NM Z	ip 8824	1	Attn: Robbie	a Runnels								
Phone #:	one #: 575 390-7560 Fax #:					1 S Cecil St.								
Project #: Project Owner: john@trinityoilfieldservices.com					City: Hobbs									
Project Name:	Zach 17-8 W1MD Fed				Zip: 8824	0								
Project Location: Lea County, NM					Phone #:	5756022188	-	BTEX	TPH	Chloride				
Sampler Name:	Kenny	Page 2 of 7			Fax #:	GIGOVALIOU		10	Ē	Chic				
FOR LAB USE ONLY	Kenny	1 age 2 of 1	T	MATRIX	PRESERV	SAMPLING								
Lab I.D.			(G)KAB OK (C)OI # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER ACID/BASE ICE / COOL OTHER .	DATE	TIME							
11	SD-11 @ 3'		G 1	X	X	10/5/2021	9:00	Х	Х	X				
	SD-12 @ 3'		G 1	X	X	10/5/2021	9:05	X	Х	X				
	SD-13 @ 3'		G 1	X	X	10/5/2021	9:10	Х	Х	X				
	SD-14 @ 3'		G 1	X	X	10/5/2021	9.15	Х	Х	X				
	SD-15 @ 3'		G 1	X	X	10/5/2021	9:20	X	Х	X				
	SD-16 @ 3'		G 1	X	X	10/5/2021	9.25	X	X	Х				
	SD-17 @ 3'		G 1	X	X	10/5/2021	9:30	Х	Х	Х				
18	SD-18 @ 3'		G 1	X	X	10/5/2021	9:35	Х	Х	X				
	SD-19 @ 3'		G 1	X	X	10/5/2021	9:40	X	Х	X				
20	SD-20 @ 3'		G 1	X	X	10/5/2021	9:45	X	Х	X				

elinguished Bv:	Date: 10/8/21 Tione: 44.5	uara aldali	Line	Verbal Result: Ves No Add'I Phone #: All Results are emailed. Please provide Email address:
elinquished By:	Date: Received	Hom denne)	REMARKS:
Delivered By: (Circle One) ampler - UPS - Bus - Other:	Observed Temp. *C 4,0 Corrected Temp. *C 3.5	Sample Condition Cool Intact Ves Ves No No	CHECKED BY: (Initials)	Turnaround Time: Standard ⊠ Bacteria (only) Sample Condition Rush TO. Cool Intact Observed Temp. °C Thermometar ID error 1/3 TO. ☐ Yes ☐ Yes Correction Factor + 0% °C



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

Company Name	 Trinity Oilfield Services & Rentals 	LLC								BILL	то					AN	ALYSI	S REQU	EST	
Project Manage	r: John Farrell							P.O.	ll:									T		
Address:	8426 N Dal Paso							Com	pany:	Mewbourne C	il Co.									
City:	Hobbs St NM	Zip	8824	1				Attn:	Robb	ie Runnels										
hone #: 575 390-7560 Fax #:						Addr	855: 7	01 S Cecil St												
Project #: Project Owner: john@trinityoilfieldservices.com					es.com	City:	Hobb	5												
Project Name:	Zach 17-8 W1MD Fed Com 1H							State	: NM	Zip:	8824	0								
Project Location	n: Lea County, NM							Phon	e #:	5756	022188		втех	TPH	Chioride					
Sampler Name:	the second secon	of 7						Fax #	ŧ				100	F	G					
FOR LAS USE ONLY		П			M.	ATRIX		PI	RESER	V.	SAMPLING		1							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER ACID/BASE	ICE / COOL	DATE		TIME								
21	SD-21 @ 3'	G	1		X	(X	10/6/2021		9:00	Х	Х	X					
	SD-22 @ 3'	G	1		X				X	10/6/2021		9:05	X	X	X					
	SD-23 @ 3'	G	1		X				X	10/6/2021		9:10	Х	X	X					_
	SD-24 @ 3'	G	1		X	(X	10/6/2021		9:15	X	X	X					
	SD-25 @ 3'	G	1		X	(X	10/6/2021		9:20	X	X	X					
	SD-26 @ 3'	G	1		X	(X	10/6/2021		9:25	X	X	X					
27	SD-27 @ 3'	G	1		X				X	10/6/2021		9:30	X	X	X					
	SD-28 @ 3'	G	1		X				X	10/6/2021		9:35	X	X	X					
	SD-29 @ 3'	G	1		X				X	10/6/2021		9:40	X	X	X					
30	SD-30 @ 3'	G	1		X				X	10/6/2021		9:45	X	X	X					

PLEASE NOTE: Lightly and Damages. Cardinal's fishibity and cleart's exclusive remedy for any class arising whether based in contract or tort, shull be limited to the amount pad by the cleart for the analyses. All classes welcading these for negligence and any other cause whetherever shall be deemed watered urbase made in weiling and received by Cardinal within 30 days after completion of the uplicable

senses in no event shall Cardinal behable for incidental or consequential damages including without limitation business mismaphone, loss of use, or loss of pollis structural by client, its subsidiantes and the sense of the structural by client, its subsidiantes and the sense of the structural by client in a subsidiantes of an and uses the structural by client in a subsidiantes and the structural by client in a subsidiantes of an and uses the structural by client in a subsidiantes of a structural by client in a subsidiante structural by client in a subsidiantes of a structural by client in a structural by cl

Relinguished By:	Date: 10/8/21 Time: 1415 Auuaka	Make	Verbal Result:
Relinquished By:	Date: Received By: Time:	hand J	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C 44.0 Sample Condit Corrected Temp. *C 3.5 Pres Pres Pres Pres Pres Pres Pres Pres		Turnaround Time: Standard ⊠ Bacteria (only) Sample Condition Thermometer ID Rush Cool Intact Observed Temp. *C Thermometer ID Part II Part II Yes Yes Correction Factor + 0) *C TD - 10/8/2/ No No Corrected Temp. *C

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

Company Name	: Trinity Oilfield Ser	vices & Rentals LI	C				ANALYSIS REQUEST						
Project Manage	r: John Farrell				P.O. #:								
Address:	8426 N Dal Paso				Company: Mewbourne Oil Co.								
City:	Hobbs	St NM	Zip 8824	1	Attn: Robbie	Runnels							
Phone #:	575 390-7560	Fax #:			Address: 70	1 S Cecil St							
Project #:		Project Owne	r: john@	trinityoilfieldservices.com	City: Hobbs								
Project Name:	ject Name: Zach 17-8 W1MD Fed Com 1H					Zip: 883	240						
Project Location	n: Lea County, NM				Phone #:	5756022188		BTEX	TPH	Chloride			
Sampler Name:	Kenny	Page 4 of	7		Fax #:			6	-	-			
FOR LAB USE ONLY				MATRIX	PRESERV	SAMPLING							
Lab I.D. H212834	Sample	I.D.	(G)RAB OR (C)ON # CONTAINERS	GROUNDWATER WASTEWATER Soil Dil	OTHER . ACID/BASE ICE / COOL OTHER .	DATE	TIME						
	SD-31 @ 3'		G 1	X	X	10/7/2021	9:00	X	X	X			
	SD-32 @ 3'		G 1	X	X	10/7/2021	9:05	X	X	X			
	SD-33 @ 3'		G 1	X	X	10/7/2021	9:10	X	Х	X			
	SD-34 @ 3'		G 1	X	X	10/7/2021	9:15	X	X	X			
35	SD-35 @ 3'		G 1	X	X	10/7/2021	9:20	X	Х	X			
	SD-36 @ 3'		G 1	X	X	10/7/2021	9:25	X	Х	X			
	SD-37 @ 3'		G 1	X	X	10/7/2021	9:30	X	X	X			
38	SD-38 @ 3'		G 1	X	X	10/7/2021	9:35	X	X	X			
39	SD-39 @ 3'		G 1	X	X	10/7/2021	9:40	X	X	X			
40	SD-40 @ 3'		G 1	X	X	10/7/2021	9:45	X	X	X			

receives. Address including from themagers and any other cases shattoover shall be downed weread unless made in writing and recorded by Cardinal within 30 days after completion of the applicable services in no event shall Cardinality leads for incidental or consequential damages, including without instation business interactions, toos of use or loss of profils incurred by client, it is autoinations affinates or successon arranging cut of in related to the performance of the services harvandare by Cardinal segreties of whether such client a based on any of the solutions stated reasons or otherwes

Relinguished By:	Date: 16/8/21 Time: 14/5	Lawara aldaker	Verbal Result:
Reinquished By:		Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	7. Cool Intact (Initials)	Turnaround Time: Standard Image: Standard Rush Bacteria (only) Sample Condition Thermometer ID Thermo

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

Company Name	: Trinity Oilfield Services & Rental	s LLC						BILL TO					ANALYSIS	REQUEST	ſ	
Project Manage	er: John Farrell					P.O. #:										
Address:	8426 N Dal Paso					Company: Mewbourne Oil Co.										
City:	Hobbs St NM	Zip	88241	L		Attn: F	Robbie	Runnels								
Phone #:	575 390-7560 Fax #:					Addres	s: 701	I S Cecil St.								
Project #:	Project Ov	mer:	ohn@	trinityoilfieldservic	es.com	City: H	lobbs									
Project Name:	Project Name: Zach 17-8 W1MD Fed Com 1H							Zip: 8824	0			-				
	roject Location: Lea County, NM					Phone #		5756022188		втех	ТРН	Chloride				
Sampler Name:		of7				Fax #:				5	F	CH				
FOR LAB USE ONLY		TT		MATRIX			SERV.	SAMPLING								
Lab I.D.	and the second se	(G)RAB OR (C)ON	CON AINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE		OTHER	DATE	TIME							
	SD-41 @ 3'	G	1	X			X	10/7/2021	9:50	Х	Х	X	_			
42	SD-42 @ 3'	G	1	X			X	10/7/2021	9:55	х	Х	X				
43	SD-43 @ 3'	G	1	X			X	10/7/2021	10:00	X	Х	X				
44	SD-44 @ 3'	G	1	X			X	10/7/2021	10:05	X	X	X				
45	SD-45 @ 3'	G	1	X			X	10/7/2021	10:10	X	X	X				
46	SD-46 @ 3'	G	1	X			X	10/7/2021	10:15	X	х	X				
47	SD-47 @ 3'	G	1	X			X	10/7/2021	10:20	X	х	X				
	SD-48 @ 3'	G	1	X			X	10/7/2021	10:25	X	X	X				
	SD-49 @ 3'	G	1	X			X	10/7/2021	10:30	X	X	X				
	SD-50 @ 3'	G	1	X			X	10/7/2021	10:35	X	X	X				

PLEASE NOTE: Lability and Damagia. Cardina's lability and clarifs exclusive remedy for any claim ensing whather based in contract or tort, shall be limited to the amount paid by the claim for the analysis. All claims including those for negligance and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

service in no event shall Cardinal be lable for incidental or consequential damages, including without limitation, business ntemptions, loss of use or loss of profile incurred by claim, its subsidients.

Relinguished By:	Date: 16/8/21 Received I Time: 4/15	awara alda	Kel	Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address:	
Refinquished By:	Date: Received E	By:	1	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. *C 4.0 Corrected Temp. *C 3.5	Sample Condition Cool Intact Ves Yes No No No	CHECKED BY: (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. Thermometer ID 60-21/3 Yes Correction Factor + 0 *C 10/8/21	

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101 East Marland, Hobbs, NM 88240 (FTE) 888 8888 FAV (FTE) 888 8476

Company Name	: Trinity Oilfield Services & Rentals	LLC							BILL TO					ANALYS	IS REQUEST	
Project Manager	r: John Farrell						P.O. #:									
Address:	8426 N Dal Paso						Comp	any:	Mewbourne Oil Co.		1					
City:	Hobbs St NM	Zip	8824	1			Attn:	Robbie	Runnels							
Phone #:	575 390-7560 Fax #:						Addre	ss: 70	1 S Cecil St							
Project #:	Project Ow	ner:	iohn@	trinityo	ilfieldservi	ces.com	City:	Hobbs								
Project Name:	Zach 17-8 W1MD Fed Com 1H						State:	NM	Zip: 882	40						
	a: Lea County, NM						Phone	#:	5756022188		втех	HdT	Chloride			
Sampler Name:	Kenny Page 6	of 7					Fax #:				m	-	-B			
FOR LAB USE ONLY		TT			MATRIX		PR	ESERV	SAMPLING		1					
Lab I.D.	Sample I.D.	(G)RAB OR (C)ON	# CONTAINERS	GROUNDWATER	WAS IE WATER	SLUDGE		ICE / COOL OTHER	DATE	TIME						
57	SD-51 @ 3'	G	1		X			X	10/8/2021	9:00	X	X	X			
52	SD-52 @ 3'	G	1		X			X	10/8/2021	9:05	X	X	X			
	SD-53 @ 3'	G	1		X			X	10/8/2021	9:10	X	X	X	_		
	SD-54 @ 3'	G	1		X			X	10/8/2021	9:15	X	X	X			
55	SD-55 @ 3'	G	1		X			X	10/8/2021	9:20	X	X	X			
	SD-56 @ 3'	G	1		X			X	10/8/2021	9:25	X	X	X			
57	SD-57 @ 3'	G	1		X			X	10/8/2021	9:30	X	Х	X			
and the second sec	SD-58 @ 3'	G	1		X			X	10/8/2021	9:35	X	X	X			
	SD-59 @ 3'	G	1		x			X	10/8/2021	9:40	X	X	X			
60	SD-60 @ 3'	G	1		X			X	10/8/2021	9:45	X	Х	X			

PLEASE NOTE: Labitity and Damages. Cardinal's labitity and clear's socharve remedy for any clear areany whether based in contract or tort, shall be bried to the amount peed by the clear analyses. All clasms including those for-applicance and any other cause wheteoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable service is no event shall Cardinal be table for incidental or consequential damages, including without limitation, business interruptions loss of use or loss of profits incurred by clasm, its subardames

Relinguished Ry:	Date: 10/8/21 Time: 14/5	Received B	mara illa	alle	Verbai Result:
Relinquished By:	Dáte: Time:	Received B	y:	1	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	4.0 3.5	Sample Condition Cool Intact Yes Yes No No No	CHECKED BY: (Initiats)	Turnaround Time: Standard ⊠ Bacteria (only) Sample Condition Thermometer ID Rush Correction Factor + 0. °C To be 100 intact Observed Temp. °C Yes Yes Yes No

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CARDINAL Laboratories
Laboratories

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101 East Marland, Hobbs, NM 88240

Company Name:	(575) 393-2326 FAX (575) 393-24 Trinity Oilfield Services & Rentals LL			BILL TO	-				ANA	LYSIS	REQUE	ST	
Project Manager:	John Farrell			P.O. #:									TT
Address:	8426 N Dal Paso			Company: Mewbourne Oil Co.									
City:	Hobbs St NM	Zip 88241		Attn: Robbie Runnels									
Phone #:	575 390-7560 Fax #:			Address: 701 S Cecil St									
Project #:	Project Owner	: john@	Irinityoilfieldservices.com	City: Hobbs									
Project Name:	Zach 17-8 W1MD Fed Corn 1H			State: NM Zip: 88240									
Project Location:	Lea County, NM			Phone #: 5756022188		BTEX	HdT	Chloride					
Sampler Name:	Kenny Page 7 of 7	7		Fax #:		6	=	Ğ					
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING									1 1
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	ACIDIBASE: CE / COOL CTHER .	TIME								
	D-61 @ 3'	G 1	X	X 10/8/2021	9.50	х	х	X					
	D-62 @ 3'	G 1	X	X 10/8/2021	9:55	X	х	X					
	D-63 @ 3'	G 1	X	X 10/8/2021	10.00	X	х	X					
64 s	D-64 @ 3'	G 1	x	X 10/8/2021	10:05	X	X	×					
							-						
natiyees All clasms including th ensce in no event shall Carda	Demages Cardinat's liability and client's exclusive namedy for any nose for negligance and any other cause sheatoorver shall be dee table liable for incidential or consequential damages including wi uit of ar released to the performance of services herecurden by Card	med waved unless m thout limitation busine	ede in writing and received by Cardinal within ses interruptions loss of use or loss of profits i	10 days after completion of the applicable noumed by client its subsidianes.									
Relinquished By:	Date: 10/8/2/ Time: Date: Time:	Received E		lakel	Verbal Res All Results REMARKS:	are em	Ves			Phone # il addres			
Delivered By: (Circ Sempler - UPS - Bu		4.0 3.5	Sample Condition Cool Intact I fes I Yes No No No	CHECKED BY: (Initials)	Turnaround Thermometer Correction Fa	1D 40	-#/	10/1	1 X P/21	Cool I	Intact C	ple Condition bserved Temp corrected Temp	

Received by OCD: 3/18/2022 1:44:54 PM

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January 06, 2022

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 01/03/22 12:35.

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

Cardinal Laboratories is 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.

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,

Whe Singh

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 40 (H220004-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500Cl-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	01/05/2022	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	Qualifie
GRO C6-C10*	<10.0	10.0	01/04/2022	ND	211	106	200	0.684	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	199	99.5	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	101 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.6	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 41 (H220004-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/05/2022	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	01/04/2022	ND	211	106	200	0.684	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	199	99.5	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	99.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.9	% 59.5-14	2						

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 49 (H220004-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/05/2022	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	01/04/2022	ND	211	106	200	0.684	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	199	99.5	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	90.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.4	% 59.5-14	2						

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 50 (H220004-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/05/2022	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	01/04/2022	ND	211	106	200	0.684	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	199	99.5	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	104 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102 9	% 59.5-14	2						

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 51 (H220004-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
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	01/05/2022	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	01/04/2022	ND	211	106	200	0.684	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	199	99.5	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	104 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102 9	% 59.5-14	2						

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 40 (H220004-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	81.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.4	% 59.5-14	2						

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 41 (H220004-07)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	80.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	82.0	% 59.5-14	2						

Cardinal Laboratories

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 49 (H220004-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2022	ND	2.06	103	2.00	4.45	
Toluene*	<0.050	0.050	01/03/2022	ND	2.00	100	2.00	4.85	
Ethylbenzene*	<0.050	0.050	01/03/2022	ND	1.95	97.4	2.00	4.86	
Total Xylenes*	<0.150	0.150	01/03/2022	ND	5.93	98.8	6.00	5.20	
Total BTEX	<0.300	0.300	01/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
Chloride, SM4500Cl-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	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	79.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.1	% 59.5-14	2						

Cardinal Laboratories

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 50 (H220004-09)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-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	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	81.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.6	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 51 (H220004-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 69.9-14	0						
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	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	75.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	76.4	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 52 (H220004-11)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 69.9-14	0						
Chloride, SM4500Cl-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	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	75.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.3	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 33 (H220004-12)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	79.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.5	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 34 (H220004-13)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
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	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	80.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.3	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 43 (H220004-14)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	79.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.4	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 44 (H220004-15)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	74.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	76.6	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 45 (H220004-16)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 69.9-14	0						
Chloride, SM4500Cl-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	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	83.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.3	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	01/03/2022	Sampling Date:	12/30/2021
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 46 (H220004-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2022	ND	2.08	104	2.00	5.66	
Toluene*	<0.050	0.050	01/04/2022	ND	2.02	101	2.00	6.32	
Ethylbenzene*	<0.050	0.050	01/04/2022	ND	1.96	97.9	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/04/2022	ND	5.96	99.3	6.00	5.91	
Total BTEX	<0.300	0.300	01/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500Cl-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	01/05/2022	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	01/04/2022	ND	214	107	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/04/2022	ND	225	112	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	01/04/2022	ND					
Surrogate: 1-Chlorooctane	79.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	82.9	% 59.5-14	2						

Cardinal Laboratories

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Mite Sugar

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



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	e: Etech Environmental & Safety Solu		, In	C.			BI	LL TO					ANALYSIS REQUEST
Project Manage	er: Lance Crenshaw				P.	0. #:							
Address: 26	17 West Marland				Co	ompany	,	Mewbo	ume	1			
City: Hobbs	State: NM	Zip	: 88	240	At	tn:		Robbie Run	inels				
Phone #: (57	75) 264-9884 Fax # :	-			Ad	dress:							
Project #: 150	948 Project Owne	r:	Me	ewbourne	Cit	tv:				1			
	Zach 17-8 W1MD Fed Com 1H				1	ate:		Zip:			(WS	18	
-	n: Rural Lea County, NM		-		-	none #:				Chloride	TPH (8015M)	BTEX (8021B)	
Sampler Name:			-		t	x #:				Ĕ	H	X	
FOR LAB USE ONLY	1	Г	Г	MATRIX		PRESE	RV.	SAMPL	NG	Ĭ	E I	HE	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER Soil Oil Sludge	OTHER :	ACID/BASE: ICE / COOL	OTHER :	DATE	TIME				
1	NW40	С	1	X		X		12/30/22		X	X	X	
2	NW41	c	1	x		X		12/30/22		X	X	X	
3	NW49	С	1	X		X		12/30/22		X	X	X	
4	NW50	С	1	X		X		12/30/22		X	X	X	
5	NW51	С	1	x		X		12/30/22		X	Х	X	
4	SW40	C	1	X		X		12/30/22		Х	X	X	
7	SW41	C	1	X		X		12/30/22		X	Х	X	
× ×	SW49	С	1	X		X		12/30/22		X	Х	X	
9	SW50	С	1	X		X		12/30/22		Х	X	X	
/0	SW51 vd Damages. Cardinal's liability and client's exclusive remedy for a	С	1	X		X		12/30/22		X	X	X	
Relinguished B	Time: Date: 1-3-22 Time: 235	Re	ceiv	ed unless make is willing an alton, business merupilone, diffess of whether south claim ved By: ved By: ved By: dutation Sample Conditi	4	Della	la	thin 30 days after often incurred by c 1 above stated res Light ED BY:	Phone Re Fax Resul REMARKS	sult: h: S:	Ye	s DN	
	$\begin{array}{c} \text{(Circle One)} & -0.9^{\circ}_{\circ} \text{()} & -0.9^{\circ}_{\circ} \text{()} \\ \text{-Bus - Other:} & -1.4^{\circ}_{\circ} \text{()} \end{array}$).S	c 112	Cool Intact	_		(Initi						

Received by OCD: 3/18/2022 1:44:54 PM

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Etech Environment	tal & Safety Solut	tions,	Inc	2.				l	<i>II</i>	L TO					AN	ALYS	SIS	REQ	UES	T		
Project Manage	r: Lance Crenshaw							P.O.	#:									T			T		
Address: 261	7 West Marland							Com	pany	_	Mewbo	ume											
City: Hobbs		State: NM	Zip:	88	240			Attn	-	F	Robbie Run	mels											
Phone #: (57	5) 264-9884	Fax #:						Add	ress:				1										1.
Project #: 150	48	Project Owner	r:	Me	wbourne	•		City					1										
	Zach 17-8 W1MD Fed	-	-					State		;	Zip:			Ŵ	18								
	n: Rural Lea County,			-		-			ne #:		and the second s		P	015	802								
Sampler Name:				-		-	-	Fax					Chloride	TPH (8015M)	BTEX (8021B)								
FOR LAB USE ONLY					MA	TRD	(-	RESER	۲V.	SAMPL	NG	1	F	BT								
Lab I.D.	Sample I	.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	OIL	SLUDGE	OTHER :		OTHER :	DATE	TIME											
11	SW52		c	1	X				X	Т	12/30/22		X	Х	X			T					
12	FL33		c	1	X				X		12/30/22		X	х	X								
13	FL34		С	1	X				X		12/30/22		X	Х	X								
14	FL43		С	1	X				X		12/30/22		X	X	X								
15	FL44		С	1	X	_	1		X		12/30/22		X	x	X								-
14	F ⁻ L45		С	1	X				X		12/30/22		X	X	X						_		
17	F [:] L46		С	1	X	-	-	+	X	ł	12/30/22		X	X	X	+	+	+	+	+	+		+
									11	ţ						-	-	+	+	+	+	-	-
analyses. All claims includ	nd Damages. Cardinal's liability and clie ing those for negligence and any other (cardinat be liable for inclatental or conse	cause whatepower shell be a	bemed	walve	d unless made i	in write	ng and	secelves	I by Cardin	al will	hin 30 days alle	r completion of t	ie applical	de			-	-					-
	ing out of or related to the performance		ardinel,	10100									e. sult: It:				d'i Phon d'i Fax #				_		
	AK			eiv C	Sample Cool		Yes		(Ir	CKE	DBY:	F ² lease e	mail r	esults	to pm@)etech	env.co	m					
FORM-0 Revision			rdina	n c					hange	s. F	Please fa	x written o	hang	es to 5	75-393-	2476							



December 06, 2021

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

RE: ZACH 17-8 W2MD FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/02/21 15:15.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/02/2021	Sampling Date:	12/01/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 4 @ 3' (H213464-01)

BTEX 8021B	mg/	′kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	105	2.00	0.603	
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.5	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/02/2021	Sampling Date:	12/01/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 5 @ 3' (H213464-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	105	2.00	0.603	
Toluene*	<0.050	0.050	12/04/2021	ND	2.06	103	2.00	0.585	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.02	101	2.00	0.118	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.12	102	6.00	0.00774	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	99.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.2	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/02/2021	Sampling Date:	12/01/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 3 (H213464-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.5	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/02/2021	Sampling Date:	12/01/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 4 (H213464-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.1	% 38.9-14	2						

Cardinal Laboratories

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Celeg D. Keine

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:	12/02/2021	Sampling Date:	12/01/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 3 (H213464-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.9	% 38.9-14	2						

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Celeg D. Keine

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:	12/02/2021	Sampling Date:	12/01/2021
Reported:	12/06/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 4 (H213464-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.2	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO				ANAL	YSIS	REQU	EST	
Project Manager: Lance Cronshaw	P.O. #:	P.O. #:								1
ddress: 2617 West Marland	Compar	Company Newbourne								
ity: Hobbs State: NM Zip: 88240		obbie Runnels								
hone #: (575) 264-9884 Fax #:	Address	:								
roject #: 15048 Project Owner: Mewborn	rve City:									
roject Name: Zouch 17-8 WIMD Fed Com	2H State:	Zip:	e	5M	(8021B)					
Broject Location: Jey, NM Biampler Name: Tyler Griffin	Phone #	:	Chloride	FPH (8015M)	(80					
ampler Name: Tyler Griffin	Fax #:		-S	H	BTEX					
FOR LAB USE ONLY	MATRIX PRES	ERV. SAMPLING		F	8					
Tap I.D. Sample I.D. #500000 (6)RAB OR (C)OMP #5000000 (6)RAB OR (C)OMP	SOIL SOIL SUUDGE OTHER : ACID/BASE:	DATE TIME								
1 FL4 @ 3'	XX		X	X	X					
ZFLSQ3'	XXX	12-1-21	X	X	x					
3 SW3	XXX		X	X	×					
4 304	XXX	12-1-21	X	X	X					
S NW 3	XXX	12+1-21	X	X	X					
6 NWA	X X	12-1-21	X	X	X					
EASE NOTE: Lubiiity and Damages Cardinal's rabiiity and cient's exclusive remedy for any claim arising whethe lyses. All claims including those for negligence and any other cause whatboever shall be deemed waived unlease										
wee. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, busi- liables or successors arising out of or reliabled to the performance of services frequencies by Cardinan. regardless of up linguished Bur. Date. Received Bit.	ness interruptions, loss of use, or le whether such claim is pased upon a		1085, 155	Yes		Add'l P	hone #:			
Tula Growin 12-2-21	UNYA Elle	Fax Resu REMARK		C Yes	No	Add'l F	ax #:			
emquished By: Date: Received By	fund Car									
Time:		Plasso	mail co		COC a	nd results	to om	Metech		
		ECKED BY:	andir ou	py 01	000 a	na rosuita	no pini	worterin		
	Yes Yes	(Initials)								
	NO NO	ges. Please fax written (-						

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December 08, 2021

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

RE: ZACH 17-8 W2MD FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/02/21 15:15.

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

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. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 6 @ 3' (H213465-01)

BTEX 8021B	mg/	′kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/07/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/07/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/04/2021	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	Qualifie
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.4	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 7 @ 3' (H213465-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.1	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 8 @ 3' (H213465-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.7	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 5 (H213465-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	86.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.9	% 38.9-14	2						

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Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 6 (H213465-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	98.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.8	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 7 (H213465-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	89.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.4	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 5 (H213465-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0						
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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	99.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.4	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 6 (H213465-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	0.401	
Toluene*	<0.050	0.050	12/04/2021	ND	2.05	102	2.00	1.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.03	101	2.00	1.21	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.18	103	6.00	0.706	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	218	109	200	0.574	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	208	104	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.6	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 7 (H213465-09)

BTEX 8021B	mg,	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110 9	38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 8 (H213465-10)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101 9	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 8 (H213465-11)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.6	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 9 (H213465-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	2.11	106	2.00	4.19	
Toluene*	0.058	0.050	12/07/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.5	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 10 (H213465-13)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 11 (H213465-14)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	99.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.0	% 38.9-14	2						

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Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 12 (H213465-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	107 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	% 38.9-14	2						

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Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 13 (H213465-16)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	112 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 9	38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 14 (H213465-17)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110 9	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 9 (H213465-18)

BTEX 8021B	mg,	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/04/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/04/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/04/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 10 (H213465-19)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101 9	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 11 (H213465-20)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2021	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	96.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.4	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 12 (H213465-21)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2021	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

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Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 13 (H213465-22)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/04/2021	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	105 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104 9	% 38.9-14	2						

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Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 14 (H213465-23)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.2	% 38.9-14	2						

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Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 9 @ 3' (H213465-24)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	96.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.6	% 38.9-14	2						

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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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 10 @ 3' (H213465-25)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 11 @ 3' (H213465-26)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 12 @ 3' (H213465-27)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/02/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 13 @ 3' (H213465-28)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/06/2021	ND	2.11	106	2.00	4.19	
Toluene*	<0.050	0.050	12/06/2021	ND	2.09	105	2.00	3.42	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	2.05	103	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	6.26	104	6.00	4.39	
Total BTEX	<0.300	0.300	12/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/04/2021	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	12/04/2021	ND	227	113	200	0.180	
DRO >C10-C28*	<10.0	10.0	12/04/2021	ND	224	112	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	12/04/2021	ND					
Surrogate: 1-Chlorooctane	109 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	108 9	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 31 of 33

P.0. #: ddress: 2617 West Marland ddress: 2617 West Marland tity: Hobbs State: NM Zip: 88240 Attn: Robbi c. Company Me; whour ret hone #: Fax #: Address: City: State: NM Zip: 88240 hone #: For Marles Project Owner: Mew bowret City: State: Zip: Project Owner roject Location: Joh AM Marland Phone #: Phone #: Phone #: Phone #: Phone #: roge values Owr Will Will Work Work Work Work Work Work Work Work	ompany Name: Etech Environmental & Safety Solution	ons, Inc.	BI	ILL TO			ANALYSIS REQUEST	
ity: Hobbs State: NM Zip: 88240 Attn: folbic c furnels hone #: $(575) 264-9894$ Fax #: Address: roject Name: Zach 17-3 WLMD Fcd com LH roject Location: Jal MM ampler Name: Tyler Griffin Call Manual State: Zip: Prosect Owner: Mewbowrer faither the state: Zip: Prosect Owner: Mewbowrer roject Location: Jal MM ampler Name: Tyler Griffin Call Manual State: Zip: Preserv Lab I.D. Sample I.D. MATRIX U = 2221 X X X Z = FL7 a 3' Z = X = X = X = X = X = X = X = X = X =	oject Manager: Lance Crenshew		P.O. #:					
ity: Hobbs State: NM Zip: 88240 Attn: folbic c furnels hone #: $(575) 264-9894$ Fax #: Address: roject Name: Zach 17-3 WLMD Fcd com LH roject Location: Jal MM ampler Name: Tyler Griffin Call Manual State: Zip: Prosect Owner: Mewbowrer faither the state: Zip: Prosect Owner: Mewbowrer roject Location: Jal MM ampler Name: Tyler Griffin Call Manual State: Zip: Preserv Lab I.D. Sample I.D. MATRIX U = 2221 X X X Z = FL7 a 3' Z = X = X = X = X = X = X = X = X = X =	dress: 2617 West Marland		Company	rembourne	1			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 32 of 33

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Project Manager: Lownce: Cremshow P.O. #: Address:: Personal 2617 W Marland Company: Mewbourpe City:: State:: NN Zip: Billion 2617 Marland Company: Mewbourpe Project 10:: State:: NN Zip: Billion 264 <	Company Name	(575) 393-2326 FAX (575) 393- : Etech Environmental & Safety So		, Inc.			T	BI	LL TO				_	ANA	LYSIS	REQU	JEST		
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Phone #: (575) 388-9000 2.64 989 980 970 <th></th> <th>Marin 2617 W Marin</th> <th>and</th> <th></th> <th>0.00</th> <th>20</th> <th></th>		Marin 2617 W Marin	and		0.00	20													
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (676) 202 2226 EAV (676) 202 2476

Company Name:	Etech Environmental & Safety Solu	_	, Inc	2.	-	-				BI	LL TO						ANAL	YSIS	RE	QUE	ST	
Project Manager	E Lance Crenshaw			_				P.O.	*:													
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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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25	FL 10 @ 3'	1			×	(X		12-2-21		X	X	×					1		
26	FLI 23'	1			×	-			×		12-2-21		X	X	X							
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Revision 1.0

Received by OCD: 3/18/2022 1:44:54 PM

Page 190 of 361



December 08, 2021

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

RE: ZACH 17-8 W2MD FED COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/03/21 15:45.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 14 @ 3' (H213493-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.61	80.7	2.00	11.7	
Toluene*	<0.050	0.050	12/07/2021	ND	1.55	77.6	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.53	76.5	2.00	14.1	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.70	78.3	6.00	13.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Celeg D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 15 @ 3' (H213493-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.61	80.7	2.00	11.7	
Toluene*	<0.050	0.050	12/07/2021	ND	1.55	77.6	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.53	76.5	2.00	14.1	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.70	78.3	6.00	13.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106 9	% 38.9-14	-						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 16 @ 3' (H213493-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.61	80.7	2.00	11.7	
Toluene*	<0.050	0.050	12/07/2021	ND	1.55	77.6	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.53	76.5	2.00	14.1	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.70	78.3	6.00	13.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	ND	400	100	400	7.69	
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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	<i>99.7</i> 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	% 38.9-14	-						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 17 @ 3' (H213493-04)

BTEX 8021B	mg/	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.61	80.7	2.00	11.7	
Toluene*	<0.050	0.050	12/07/2021	ND	1.55	77.6	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.53	76.5	2.00	14.1	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.70	78.3	6.00	13.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	103 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 18 @ 3' (H213493-05)

BTEX 8021B	mg/	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.61	80.7	2.00	11.7	
Toluene*	<0.050	0.050	12/07/2021	ND	1.55	77.6	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.53	76.5	2.00	14.1	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.70	78.3	6.00	13.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	101 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	104 9	38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 19 @ 3' (H213493-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.61	80.7	2.00	11.7	
Toluene*	<0.050	0.050	12/07/2021	ND	1.55	77.6	2.00	13.4	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.53	76.5	2.00	14.1	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.70	78.3	6.00	13.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 15 (H213493-07)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 16 (H213493-08)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	78.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.6	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 17 (H213493-09)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.0	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 18 (H213493-10)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 19 (H213493-11)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	221	110	200	1.47	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	219	110	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	94.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.7	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 20 (H213493-12)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.3	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 21 (H213493-13)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.6	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 22 (H213493-14)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	95.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.9	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 15 (H213493-15)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 16 (H213493-16)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	99.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.0	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 17 (H213493-17)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	95.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.9	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 18 (H213493-18)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.0	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 19 (H213493-19)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 20 (H213493-20)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	91.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.4	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 21 (H213493-21)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	97.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.0	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 22 (H213493-22)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	93.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.1	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 23 (H213493-23)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

Cardinal Laboratories

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 24 (H213493-24)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	99.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.2	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 23 (H213493-25)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	97.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.7	% 38.9-14	2						

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Celez D. Keine

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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 24 (H213493-26)

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	12/07/2021	ND	2.00	99.9	2.00	7.18	
Toluene*	<0.050	0.050	12/07/2021	ND	2.02	101	2.00	7.26	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	2.00	99.9	2.00	7.35	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	6.06	101	6.00	8.12	
Total BTEX	<0.300	0.300	12/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	96.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.6	% 38.9-14	2						

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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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W2MD FED COM 2H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 20 @ 3' (H213493-27)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	<0.050	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	<0.300	0.300	12/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/07/2021	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	12/07/2021	ND	217	108	200	1.37	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	200	99.9	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.6	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Mariand, Hobbs, NM 88240

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

Company Name	Etech Environmental & Safety S	olution	s, Inc.							BI	LL TO						AN/	ALYS	SIS	REC	UES	ST		
Project Manage	r: Lance Grenshaw						1	P.O.	#:						T									Г
Address: 194.0	chemican 2617 w Max	land	7					Com	pany	y: 1	Newbou	work												
City: Keiningh	an Hobles State: NM		: 892	00	882	40		Attn:	Rol	bbi	e Rur	rels												
Phone #: (57	5) 896-2518 264-9884 Fax #: 151	1/3964	1420	1			1	Addr	855 :															
Project #: 150	048 Project Ow	ner:	Men	los	urn	e		City:	AP & 0. 44							_								
Project Name:	Zach 17-8 WIMD	Fed	6	m	17	1		State			Zip:		9	5M)										
Project Locatio	n: Jal, NM							Phon	e #:	:			Chloride	TPH (8015M)	DTEV (00940)	100								
Sampler Name:	manuff ()						1	Fax a	k:				- E	H		5								
FOR LAB USE ONLY			П		MA	TRIX		PI	RESI	ERV.	SAMPL	ING		F	6	5								
Lab I.D. H213493	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER ; ACID/RASE:	ICE / COOL	OTHER :	DATE	TIME												
1	FL 14 D 31		П		×			Т	X		12-3-21		X	X		×								Г
2	FL 15 00 31				X				X		12-3-21		X	X	-	X								
3	FL 16 @ 31				X				X		12-3-21		X	X		X								
4	FL17 @ 3'				X				X		12-3-21		X	X		X								
5	FL18031				X				X		12-3-21		X	X		X								
4	FL1923'		\square		X				X		12-3-21		X	X	-	X		_						L
7	NWIS &	-	\square		X				X		12-3-21		X	×	-	X		-	_				 _	1
8	NW16				X	1			X		12-3-21		X	X	_	X	_	+	+	-			 	\downarrow
2	NW17	_	\square		X			_	1)		12-3-21		X	X	-	X		+	+	-			 	+
	NW 18 nd Damages. Cardinal's liability and client's exclusive remedy	for any ch			X	d in cor		- test ab	X		12-3-21	it he the client	X	X				_						L
nalyses. All claims includi	ing those for negligence and any other cause whetevever sh Cardinal be liable for incidental or consequental damages, inc	i be deem	eview bo	d unles	e mede	in weblie	g and a	received	by Ca	rdinal v	iliain 30 days all	er completion	of the applica	tile .										
Relinquished B	y: Date: 12-3-2	R		tions of	whether							Phone Fax Res	ndie. Result: sult:			No		"I Pho "I Fax					 	
Tyler Relinquished B	Brythi Time: 1545		eceiv		ua	He	E	V	æ	af	ZK	REMAR	KS:											
remadularied B	y: Date: Time:		ecelv	eu D	Υ.																			
Delivered By	: (Circle One) 290 C	20	-0	Sa	ample	Cor	ditio	n	CH	IECK	ED BY:	Please	email	result	s to	pm@	eteche	env.co	om.					
Sampler - UPS	arre C			C		Inta	ct/			(init	iais)													

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Page 30 of 32

Received by OCD: 3/18/2022 1:44:54 PM

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 31 of 32

(575) 393-2326 EAY (575) 393-2476

Company Name	Etech Environmental & Safety Solu		s, In	C.	-	-						BI	LL TO			-	-		AN	IAL	YSI	SF	REQ	UE	ST			
Project Manage	" Lance Crenshaw								P.(0. #							T		T	T		Γ	T			T	T	
Address: MA	1860301 2617 W Marl	and	d						Co	mp	any	y:	Mewbe	ume	1													
City: Achtingto	SH Hobbs State: NM	Zip	: 80	260	1 8	82	40	_					e Run		1													
Phone #: (57	SH Hollos State: NM 5) 399-22791 204-9884 Fax #: 398-50	396	1929	3		_	-		-	dre			1		1													
Project #: 150	Project Owne)r:	Me	Wh	Cotas	n.	2	-	Cit		_				1													
Project Name:	Zach 17-8 WIMD F	ent			11	1	2	-	-	ate:	-		Zip:			(WI	1											
	n: Jas, NM	er	0	WIL	+1	V				one			terb.		Chloride	TPH (8015M)	01000 ATC											
Sampler Name:			-		-		-	-	-	x #:					PH.	H (8	2	š										
FOR LAB USE ONLY	JA GRITIN	Т	Г	Г	-	MAT	TRU	-	r a	-	_	ERV.	SAMPL	ING	1°	IT												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME														
11	NWIG	Τ	Г			X					X		12-3-21		X	×	X											
12	NW20 NW21					X		1			X		12-3-21		X	×		X										
13	WW21	T				X					X		12-3-21		X	X		2										
	NW22					X					X		12321		X	×		×										
15	SW15					X					X		12-3-21		X	X	1	X										
						X					X		12-3-21		X	x		r										
14	SWIT				1	X					X		12-3-21		X	X		x										
18	SU18					X					X		12-3-21		X	K)											
19	Swig					X					X		12-3-21		X	×		X										
20	5w20					X					X		12-3-21		X	X	1				_							
analysee, All claims includ service. In no event shall C diffiates of seconsors with all Relinquished B Typus Relinquished B Delivered By	Sightin Time 545	Cardin Re Re	ecei	ved an inton, ardiee ved	and with		n with birruph such		is bar	thread in if uses, and up	y Can or los on as	rdinal v	CED BY: iaits)	client, its subsidi	wice, <u>ine.</u> BSult: Ilt: S:	□ Ye □ Ye	98	□ No □ No	Ac	Id'I F	hone ax #: /.COT							

Revision 1.0

Page 221 of 361

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 32 of 32

101 East Marland, Hobbs, NM 88240

Project Manager: Low cc. Creshaw P.0. #: Address: PAC Bax Bar 2617 Maxtand Company: Mewburnet City: Bayipatan 2617 Maxtand Company: Mewburnet City: Bayipatan 2617 Maxtand Company: Mewburnet Project State: NM Zip: 98260 g8240 Attn: Cobit e funnels Project Name: Cach 17-9 WIMD Fed corn City: Project Name: Cach 17-9 WIMD Fed corn City: Sampler Name: The Griffin Fax #: Prose #: For ## Lab I.D. Sample I.D. Buy Window Site Site Site Site Site Site Site Site	EQUEST	LYSIS RE	ANAL			_			LL TO	BI		Т			Inc.	ons,	& Safety Soluti	ech Environmental 8	: Etech	mpany Name
Address: Project Name: 2617 W Martand Company: fitewburnet City: Baylingsym Holds State: NM Zip: 98460 @8240 Attn: lobbic funnels Project Si ISO48 Project Owner: Martand City: Date File Project Name: 2ach (7-8) WIMD Fed com Lity: Project Cocation: Jal, NM Phone #: Jan Martand City: Date Time Visit											.0. #:	F					shaw	ince Crens	r: Lan	oject Manage
City: State: NM Zip: State: QB2400 Attn: Colbic Curvels Phone #: (575) Signo 2018 264-96844 Fax #: (673) Address:								ine	entour	y: m	ompa	c			1	ina				
Phone #: (575) 399/9078 264-9684 Fax #: (672) 399/9078 264-9684 Fax #: (672) 399/9078 264-9684 Fax #: Address: Project Mame: 2ach $(7-8)$ WIMD Fed City:								els	Euro	obbie	ttn: Q	A	40	382	8260	Zip:	State: NM			
Project Name: Zach 17-3 WIMD Fed Com 14 State: Zip: Project Location: Jal, NM Jal, NM Phone #: Phone #: <td></td> <td>æ</td> <td>5-15</td> <td>Fax #: (878)-3</td> <td>1978 264-9884 F</td> <td>5) 398-297</td> <td>one #: (575</td>															æ	5-15	Fax #: (878)-3	1978 264-9884 F	5) 398-297	one #: (575
Project Name: 2ach $17-3$ WIMD Fed Com 14 State: Zip: Project Location: Jal, NM Phone #: Sampler Name: TVCC Griffin Fax #: Frax #: <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td>ity:</td><td>c</td><td>/</td><td>une</td><td>Tento</td><td>N</td><td>Project Owner</td><td>P</td><td>48</td><td>oject #: 150</td></td<>							1				ity:	c	/	une	Tento	N	Project Owner	P	48	oject #: 150
Lab I.D. Sample I.D. unit uni					18)	(W)			Zip:	-										1
Lab I.D. Sample I.D. unit uni					802	101	Pr					-	-	11		~	the par			
Lab I.D. Sample I.D. unit uni					X	H (8	Ř			•			_			-	C:A	- toning and the second		
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2 SW 2 X X 12-3-2 X X X X 32 SW 2-7 X X 12-3-2 X X X X 23 SW 2-3 X X 12-3-2 X X X X 33 SW 2-3 X X 12-3-2 X X X 34 Sw 2-4 X X 12-3-2 X X X 34 Sw 2-4 X X 12-3-2 X X X 34 Sw 2-4 X X 12-3-2 X X X 35 NW2-3 X X 12-3-2 X X X 34 Sw 2-4 X 12-3-2 X X X X 35 NW2-3 X X 12-3-2 X X X 34 SW 2-4 X X 12-3-2 X X X								TIME	DATE	OTHER :	ACID/BASE:	SLUDGE	OIL	WASTEWATER	# CONTAINERS GROUNDWATER	(G)RAB OR (C)OMP.) .			213493
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					X	×	X		12-3-21		1			X				2	SWZ	
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27 FLD D 3' K K 12-3-2 K X					x	×				_	5			×				24	NV24	26
				-	×	×	×	-	12-3-21	-	,		-	×	-			023'	FL20.	27
HEASE NOTE: Liability and Demogen. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the naivees. All claims including these for negligence and any other cause whatsoever shall be deemed watered unless made in writing and received by Cardinal within 30 days after completion of the upplicable ervice. In no event shall Cardinal to liabit for incidential damages, including without limitation, business interruptions, fores of profile incurved by Clark, its subadditionies,						bia	to applica	er completion of th	dhin 30 days aller	ardinal v	ceived by C	ng and re	in writin	es made	welved uni	eemed	use whetsoover shall be d	r negligence and any other cause	ng those for negl	nes. All claims include
Relinquished By: Date: 12-3-2.1 Type Stellard Time: 545							sult: It:	Phone Re Fax Resul	bove stated re	iny of the	eeed upon	a	and and	By:	eived	Red	Date: 12-3-2	10		
Relifiquished By: Date: Received By: Time: Time: Please email results to pm@etechenv.com. Delivered By: C-0.5 Sample Condition CHECKED BY: Sampler - UPS - Bus - Other: UPYes Yes		iv.com.	techen	m@et	to pn	esults	mail r	Please e	ED BY: ials)	(Init		ct/	Inta	Sample	6	S	Time:	tle One) 2.9		
Sampler - UPS - Bus - Other: 2.4 c # //3 Pres Yes FORM-006 t Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	 		10	00.047	78.00			1	_	-	-									



December 10, 2021

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/08/21 14:50.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/08/2021	Sampling Date:	12/08/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 1 (H213549-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500Cl-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	12/09/2021	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	12/10/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	85.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.4	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/08/2021	Sampling Date:	12/08/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 2 (H213549-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 69.9-14	0						
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	12/09/2021	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	12/10/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	90.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.9	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/08/2021	Sampling Date:	12/08/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 1 (H213549-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
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	12/09/2021	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	12/10/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	78.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.0	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/08/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 2 (H213549-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
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	12/09/2021	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	12/10/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	82.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.4	% 38.9-14	2						

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*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/08/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 1 @ 3' (H213549-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 69.9-14	0						
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	12/09/2021	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	12/10/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	85.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.5	% 38.9-14	2						

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*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/08/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 2 @ 3' (H213549-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
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	12/09/2021	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	12/10/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.0	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/08/2021
Reported:	12/10/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 3 @ 4' (H213549-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
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	12/09/2021	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	12/10/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	86.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.4	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393 Company Name: Etech Environmental & Safety S	_	_	C.		B	ILL TO					ANALYSIS REQUEST	
Project Manager: Lance Cronshaw				P.0	D. #:			1				
Address: 2617 West Marland				Co	mpany	Mentonne						
City: Hobbs State: NM					bie nunn	18	1					
Phone #: (575) 264-9884 Fax #:					dress:							
Project #: 15048 Project Ow	er:	Me	woonne	Cit	y:							
roject Name: Zach 17-8 Wd	10			Sta	ate:	Zip:		•	EM)	218		
roject Location: Jol. N M				Ph	one #:			Chloride	801	(80)		
ampler Name: T3)2r Griffin				Fax	x #:			G	TPH (8015M)	BTEX (8021B		
FOR LAB USE ONLY		Г	MATRIX	-	PRESERV	SAMPLING			1	B		
	MP		œ									
Lab I.D. Sample I.D.	G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER Soll DIL		ы Б							
	ABO	NTA	UND	DGE ER:	ACID/BASE ICE / COOL OTHER :							
1213549	G)R	# CO	GRO WAS SOIL OIL	SLUDGE OTHER ;	ACID ICE /	DATE TI	ME					
/ NW1			X		X	12-0-21	1	K,	X	X		
2 NWZ			x		X	12-8-21	>	-	×	X		
3 SW 1			X	1.1.1	X	12-8-2	7	-	×	*		
4 SW 2	-		X	_	X	12-8-21	-	*	X	X		_
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EASE NOTE: Liab ity and Damages Card ha is lab ity and client's exclusive emedy												-
inses Arrielaims including those for negligence and any other cause whateoever sha wee. In no event shell Cardinal be fields for incidental or consequental damages, incl	ding witho	ut imit	ation, business interruptio	ns, loss of	use, or loss of p	rolls incurred by client, its :	ubsidianes,	pplicabl	10			
lates or successors arising out of or related to the performance of services hereunder elinguistics by:			rd ess of whethe such a	a m is base	ed upon any of t	Pho	ne Resul	lt:	TYe:			
elinguistied by: Ja-8-21 Time:			6	0	nlla le		Result: ARKS:		1 Ye	6 🗌 Ne	lo Add'l Fax #:	
1450	(1	auara	Kll	Raf	SIC						
elinquished By: Date:	Re	eceiv	ved By:									
Time:						Plea	se ema	ail c	opy o	f COC a	and results to pm@etechenv.com.	
Delivered By: (Circle One) _4,7 E)C-	0.5	e	Sample Con			KED BY: tials)						
Sampler - UPS - Bus - Other - 5.20	16	112	Yes		40							



December 14, 2021

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/08/21 14:50.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: WW 1 (H213550-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/14/2021	ND	217	108	200	2.45	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	214	107	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	97.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.4	% 38.9-14	2						

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Celeg D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 21 @ 3' (H213550-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	81.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.3	% 38.9-14	2						

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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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 22 @ 3' (H213550-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/10/2021	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	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	90.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.6	% 38.9-14	2						

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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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 23 @ 3' (H213550-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	88.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.7	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 24 @ 3' (H213550-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	90.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.2	% 38.9-14	2						

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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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 25 @ 3' (H213550-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	91.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.7	% 38.9-14	2						

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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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 26 @ 3' (H213550-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	181	90.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	204	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	85.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.3	% 38.9-14	2						

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Celeg D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 25 (H213550-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
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	12/10/2021	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	12/14/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.9	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 26 (H213550-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	78.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.9	% 38.9-14	2						

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Celeg D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 27 (H213550-10)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	82.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.5	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 28 (H213550-11)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.1	% 38.9-14	2						

Cardinal Laboratories

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 29 (H213550-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	78.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.9	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 30 (H213550-13)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	74.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.6	% 38.9-14	2						

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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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 31 (H213550-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	80.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.4	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 32 (H213550-15)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	81.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.0	% 38.9-14	2						

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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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 33 (H213550-16)

BTEX 8021B	mg/	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	80.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.7	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 25 (H213550-17)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	75.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.4	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 26 (H213550-18)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	1.87	
Toluene*	<0.050	0.050	12/10/2021	ND	1.98	99.1	2.00	0.397	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.96	98.1	2.00	0.113	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.94	99.0	6.00	1.12	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	77.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.1	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 27 (H213550-19)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	2.01	101	2.00	3.43	
Toluene*	<0.050	0.050	12/13/2021	ND	1.92	95.8	2.00	2.93	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.91	95.6	2.00	3.38	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.93	98.8	6.00	3.72	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	76.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.2	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 28 (H213550-20)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	2.01	101	2.00	3.43	
Toluene*	<0.050	0.050	12/13/2021	ND	1.92	95.8	2.00	2.93	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.91	95.6	2.00	3.38	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.93	98.8	6.00	3.72	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
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	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	77.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.2	% 38.9-14	2						

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Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 29 (H213550-21)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	2.01	101	2.00	3.43	
Toluene*	<0.050	0.050	12/13/2021	ND	1.92	95.8	2.00	2.93	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.91	95.6	2.00	3.38	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.93	98.8	6.00	3.72	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	74.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.0	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 30 (H213550-22)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	2.01	101	2.00	3.43	
Toluene*	<0.050	0.050	12/13/2021	ND	1.92	95.8	2.00	2.93	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.91	95.6	2.00	3.38	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.93	98.8	6.00	3.72	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	55.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	51.6	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 31 (H213550-23)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	2.01	101	2.00	3.43	
Toluene*	<0.050	0.050	12/13/2021	ND	1.92	95.8	2.00	2.93	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.91	95.6	2.00	3.38	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.93	98.8	6.00	3.72	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.7	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 32 (H213550-24)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	2.01	101	2.00	3.43	
Toluene*	<0.050	0.050	12/13/2021	ND	1.92	95.8	2.00	2.93	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.91	95.6	2.00	3.38	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.93	98.8	6.00	3.72	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	81.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.6	% 38.9-14	2						

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*=Accredited Analyte

Celez D. Keine

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:	12/08/2021	Sampling Date:	12/07/2021
Reported:	12/14/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 33 (H213550-25)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	2.01	101	2.00	3.43	
Toluene*	<0.050	0.050	12/13/2021	ND	1.92	95.8	2.00	2.93	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.91	95.6	2.00	3.38	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.93	98.8	6.00	3.72	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/10/2021	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	12/10/2021	ND	199	99.7	200	6.00	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	195	97.6	200	0.815	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	73.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.4	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 260 of 361 E ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	e: Etech Environmental & Safety Sol	itions, Inc.	BILL TO			ANALYSIS REQUEST
Project Manage	r: Lance Crenshow)	P.O. #:			
Address: 261	7 West Marland		Company Mewbowne	2		
City: Hobbs	State: NM	Zip: 88240	Attn: Robbie Runnel			
Phone #: (57	5) 264-9884 Fax #:		Address:			
Project #: / S	048 Project Owne	r: Mewbourne	City:			
	Zach 17-8 W1MD		State: Zip:		(IIB)	
Project Locatio	n: Jal, NM	Tan Content	Phone #:	orid	(8015N (8021)	
Sampler Name:			Fax #:	Chloride	TPH (8015M) 3TEX (8021B	
FOR LAB USE ONLY	I DITTE	MATRIX	PRESERV. SAMPLING		BTEX	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	ACID/BASE: ACID/BASE: OTHER : OTHER :	IME		
1	ww1	X	1 12-7-21	X	XX	
Z	FL 21 23'	X	X 12-7-4	×	XX	
3	FL 22 0 3'	X	X 12-7-2 X 12-7-2	X	XX	
4	F2 23 003'	×		X.	XX	
5	FL24 23'	X	X 12-7-21 X 12-7-21	X.	XX	
6	FL25 23.	X		X	XX	
7	FL26 23'	X	X 12-7-21		XX	
8	NW 25	X	X 12-7-21	X	XX	
9	NW26	X	× 12-7-21	X	XX	
10	NW 2-7		× 12-7-21		XX	
Relinguished B Delivered By	Ing those for negligence and any other cause whatboare that is andinat be lable for incidental or consequential demages, including ing out of our eated to the performance of services hereinder by The services	g without limitation, business interruption Caronal regardless of whether such car Received By: Received By:	tion CHECKED BY: (Initials)	s subsidienes, a otherwise one Result: ((Result: (MARKS:	□Yes □No □Yes □No	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 4/28/2022 12:16:26 PM

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

361

P.O. #:				
Company A				
Company r	laubourne			
Attn: Robbe	ie Runnels			
Address:				
City:				
14 State:	Zip:	0	(WS	
Phone #:		orid	801	(8021B
Fax #:		Chlo	H	BTEX
	SAMPLING	1	Ę	
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	12-7-2)	X	X	×
	12-7-21	X	X	X
	12-7-21	X	x	X
	12-7-21	X	x	X
		X	7	×
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		X	N	X
to contract or but shall be longed		1	r	
is using and received by Credhed by semptions, loss of use, or loss of p such claim is based upon any of the Condition CHECK Intact (Initi S Ves V-	Albha 30 days aller competition of le rolls incurred by client, is subsider to above stated reasons or otherwa Phone Re Fax Resul REMARKS Please e SED BY: tials)	he applicabl rins, esult: ht: S: email co	□ Ye □ Ye	ns □ No Add'I Fax #:
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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Page 262 of 361

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 30

Bill TO ANALYSIS REQUEST Project Manager: Lonce Crenchaw P.O. #: Address: 2617 West Marland Company Mewbowne City: Hobbs State: NM Zip:88240 Phone #: (575) 264-9884 Fax #: Address: Project Name: Zach 17-8 WIMD Fed Can IM Project Location: Jack MATRIX Preserv Sampler Name: TULE Griffin Fax #: Lab I.D. Sample I.D. Addresserve Sample Name	
Address: 2617 West Marland Company Mewbowne City: Hobbs State: NM Zip:88240 Attn:Robbi's Runnels Phone #: (575) 264-9884 Fax #: Address: Project #: /S0 4.8 Project Owner: Mewbowne Project Name: Zach 17-8 W1MD Project Location: Jad, NM Phone #: State: Zip: Project Location: Jad, NM Phone #: Fax #: Sampler Name: FOR LAB USE OWLY Image: Sample I.D. Image: Sample I.D. Image: Sample I.D. Image: Sample I.D.	
City: Hobbs State: NM Zip: 88240 Attn: Robbi's Runnels Phone #: (575) 264-9884 Fax #: Address: Project #: /SO 4.8 Project Owner: MeWbourve Project Name: Zach 17-8 W1MD Project Location: Job 1 NM Project Name: TVLsc Griffin For LAB USE ONLY Sample I.D. MATRIX	
Phone #: (575) 264-9884 Fax #: Project #: /SO 4.8 Project Owner: Met/Bourve Project Name: Zach 17-8 W1MD Project Location: Jad, NM Phone #: Sampler Name: TVLer Griffin For LAB USE ONLY Image: Sample I.D. Image: Sample I.D.	
Project #: /SO 48 Project Owner: Methbourne City: Project Name: Zach 17-8 WAND Fed Con 1H Project Location: Jad, NM Phone #: State: Zip: Piog Sampler Name: Tyler Griffin Fax #: For LAB USE OWLY MATRIX PRESERV. SAMPLING Lab I.D. Sample I.D. WO(C) B B B B	
Project Name: Zach 17-8 W1MD Fed Com 1H State: Zip: Project Location: Jad, NM Phone #: Phone #: <td></td>	
Project Name: Zach 17-8 W1MD Fed Com 1H State: Zip: Project Location: Jad, NM Phone #: Phone #: <td></td>	
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23 5 W 3 1 X 12-221 X X X	
24 SW 32 X 127-21 X X X	
25 TW 33 X 12-7-21 X X	
EASE NOTE: Labulity and Damages Cardinal's lability and client's exclusive remedy for any claim ansing whether based in contract or fort, snall be imited to the amount pad by the client for the	
ta yes. All claims including those for negligence and any other cause wheteoever shall be deemed weived unless made in writing and received by Cardinal within 30 days after completion of the applicable rvice: In no event shall Cardinal be lable for Incidential or consequentel damages, including without Innication, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries,	
Relinquished By: Date: 8-21 Received By: Phone Result: Yes No Add'I Phone #: Image: A contract of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Phone Result: Yes No Add'I Phone #: Image: A contract of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Phone Result: Yes No Add'I Phone #: Image: A contract of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Phone Result: Yes No Add'I Phone #: Image: A contract of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Phone Result: Yes No Add'I Phone #: Image: A contract of the performance of services hereunder by Cardinal, regardless of whether stated reasons or otherwise. Remarks: Remarks: Image: A contract of the performance of services hereunder by Cardinal, regardless of whether state of the performance of the	
telinguished By: Date: Received By:	
Time: Please email copy of COC and results to pm@etechenv.com	
Delivered By: (Circle One) -4.72) C-D.52 Sample Condition CHECKED BY:	
Sampler - UPS - Bus · Other: -5.2 #113 UPS Ves	
FORM-006 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	

Revision 1.0

Received by OCD: 3/18/2022 1:44:54 PM



December 15, 2021

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/10/21 14:55.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 34 (H213578-01)

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	12/14/2021	ND	1.57	78.3	2.00	18.7	
Toluene*	<0.050	0.050	12/14/2021	ND	1.70	85.2	2.00	16.5	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.75	87.7	2.00	15.1	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.96	99.4	6.00	14.7	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	213	107	200	2.04	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	214	107	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	107 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 %	6 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 35 (H213578-02)

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	12/14/2021	ND	1.57	78.3	2.00	18.7	
Toluene*	<0.050	0.050	12/14/2021	ND	1.70	85.2	2.00	16.5	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.75	87.7	2.00	15.1	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.96	99.4	6.00	14.7	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	213	107	200	2.04	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	214	107	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	118 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	124 9	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 36 (H213578-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	213	107	200	2.04	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	214	107	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	115 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	119 9	38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 37 (H213578-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	213	107	200	2.04	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	214	107	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	120 \$	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	124 9	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 38 (H213578-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/14/2021	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	12/14/2021	ND	213	107	200	2.04	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	214	107	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	122 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	130 9	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 39 (H213578-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	213	107	200	2.04	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	214	107	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	116 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	120 9	% 38.9-14	2						

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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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 42 (H213578-07)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
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	12/14/2021	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	12/13/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/13/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/13/2021	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.8	% 38.9-14	2						

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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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 43 (H213578-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 69.9-14	0						
Chloride, SM4500Cl-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	12/14/2021	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	12/13/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/13/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/13/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 34 (H213578-09)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 69.9-14	0						
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	12/14/2021	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	12/13/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/13/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/13/2021	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.5	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 35 (H213578-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 69.9-14	0						
Chloride, SM4500Cl-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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 36 (H213578-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	99.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.9	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 37 (H213578-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	97.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.4	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 38 (H213578-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	107 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105 9	38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 39 (H213578-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	113 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	108	% 38.9-14	2						

Cardinal Laboratories

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 27 @ 4' (H213578-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	112 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109 9	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 28 @ 3' (H213578-16)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 29 @ 3' (H213578-17)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 30 @ 4' (H213578-18)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 31 @ 3' (H213578-19)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	% 38.9-14	2						

Cardinal Laboratories

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 32 @ 3' (H213578-20)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.2	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 36 @ 3' (H213578-21)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8	
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/13/2021	ND	5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	92.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.5	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 38 @ 3' (H213578-22)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.050	12/13/2021	ND	1.69	84.5	2.00	16.8		
Toluene*	<0.050	0.050	12/13/2021	ND	1.70	85.0	2.00	13.3	
Ethylbenzene*	<0.050	0.050	12/13/2021	ND	1.76	88.1	2.00	11.6	
Total Xylenes*	nes* <0.150 0.150				5.51	91.8	6.00	11.0	
Total BTEX	<0.300	0.300	12/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	96.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.2	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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 Solutions, Inc.									BI	LL TO	ANALYSIS REQUEST											
Project Manager: Lance Crenshaw								0. #:								T	T					
Address: 2617 West Marland								ompar	ıy	Mewbo	oume	1										
City: Hobbs State: NM Zip: 88240							At	tn:		Robbie Ru	nnels	1										
Phone #: (57	ne #: (575) 264-9884 Fax #:							ddress	:			1										
Project #: 15048 Project Owner: Mewbourne						City:						1.5										
Project Name: Zach 17-8 W1MD Fed Com 1H						State: Zip:						2W	BTEX (8021B)									
Project Location: Rural Lea County, NM						Phone #:						201	803						1			
Sampler Name:	Sampler Name: Matthew Grieco						1	x #:				Chloride	TPH (8015M)	X						1		
FOR LAB USE ONLY		Г	Г		MATR	X		PRES	ERV	SAMPL	ING	Ĭ	E I	BT BT								
Lab I.D. みな13578	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	Soll	SLUDGE	OTHER :	ACID/BASE:	OTHER :	DATE	TIME											
)	SW 34	c	1		X				<	12/9/21		X	X	X						1		
2	SW 35	С	1		X				<	12/9/21		X	X	X								
3	SW 36	С	1		X				<	12/9/21		X	x	X								
4	SW 37	С	1		X)	<	12/9/21		X	X	X		1						
5	SW 38	С	1		X				<	12/9/21		Х	X	X								
Lp	SW 39	С	1		x				<	12/9/21		X	X	X						1_		
7	SW 42	С	1		x				<	12/9/21		х	X	X								
- 8	SW 43	С	1		X				<	12/9/21		Х	X	X								
9	NW 34	С	1		X		1		<	12/9/21		х	X	X						1		
10	NW 35	С	1		Х		1			12/9/21		X	X	X								
enelyses. All cleims includ service. In no event shell C	1. 12-10-21 Time: 55	without ardine Re	d web at limb , rega Ceiv	ed unless ation, busi	made in w news intern hether suc /:	nting an spilone,	d rece loss o	elved by Co of use, or ic	ardinativ sec of pr	within 30 days allo rollin incurred by (r completion of t clent, its subskill terms or otherwis Fhome Re Fax Resu REMARK	he applicat des, suit: it: S:	□ Ye □ Ye	s 🗆	No Add	I Phone I Fax #:						
and the second sec	: (Circle One) -1.1° (-c - Bus - Other: -1.9°	Ħ	11	3	mpile Co ol Int Yes <u>No I</u>	Ye	s	-			Please e				@etechei	IV.COM	n					

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Page 288 of 361 **RDINAL LABORATORIES** 101 East Marland, Hobbs, NM 88240 (575) 202 2226 EAV (575) 202 2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 26 of 27

Company Name: Etech Environmental & Safety Solutions, Inc.								BILL TO ANALYSIS REQUEST												
Project Manager: Lance Crenshaw								P.O. #:												
Address: 2617 West Marland								Company Mewbourne												
City: Hobbs	State: NM	Zip	: 88	240		ttn:		R	tobbie Run	inels										
Phone #: (57	5) 264-9884 Fax # :					A	Address:													
Project #: 150	ect #: 15048 Project Owner: Mewbourne						City:													
Project Name: Zach 17-8 W1MD Fed Com 1H					State: Zip:							(W)	18)							
Project Location: Rural Lea County, NM					Phone #:						Chloride	TPH (8015M)	BTEX (8021B)							
Sampler Name:	Sampler Name: Matthew Grieco						Fax #:						E H	X						
FOR LAB USE ONLY MATRIX							-	SER	VI.	SAMPLI	NG	Ŭ	đ	E						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	OIL	SLUDGE OTHER :	ACID/BASE:	ICE / COOL OTHER :		DATE	TIME									
11	NW 36	c	1	X				х	Т	12/9/21		X	Х	X						
12	NW 37	С	1	X				x	Γ	12/9/21		х	х	X						
13	NW 38	С	1	X				X		12/9/21		х	X	X						
14	NW 39	С	1	X				X		12/9/21		х	X	Х						
15	FL 27 @ 4'	С	1	X				X	L	12/9/21		х	X	X						
16	FL 28 @ 3'	С	1	X				X	Ŀ	12/9/21		Х	X	X						
17	FL 29 @ 3'	С	1	X				X		12/9/21		Х	Х	X						
18	FL 30 @ 4'	С	1	X				X		12/9/21		X	Х	X						
10.00	FL 31 @ 3'	С	1	X				Х	Ł	12/9/21		Х	X	X						
	FL 32 @ 3'	С	1	X		_		X	-	12/9/21		X	Х	X						
enalyses. All claims includi service. In no event shall C affiliates or successors ansi	nd Damagee. Cardinel's liability and client's exclusive remedy for ng those for negligeron and any other cause whatboewer shall be ardinal be liable for incidentel or consequential damages, includin ing out of or related to the performance of services hereunder by t	deeme g witho	d weiv at limit	ed unless made it ation, business int	writing emuption	and rec m, loss	of use, or	Cardinal loss of p	i withi profile	in 30 days after is incurred by d	completion of th	e applicat		-						
Relinquistied B Relinquished B	Mm 1455			ved By:	ta	k	Ull	de	5	R	Phone Res Fax Result REMARKS	t:								
	(Circle One) $-1.4e$ C-C - Bus - Other: $-1.9e$	#1	13	Sample Cool Yes No		'es No			itlal)						@etechenv.com					

Released to Imaging: 4/28/2022 12:16:26 PM

Received by OCD: 3/18/2022 1:44:54 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 5/5-393-24/6

ARDINAL LABORATORIES

Page 289 of 361

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 27 of 27

101 East Marland, Hobbs, NM 88240

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

Company Nam	e: Etech Environment	al & Safety Solut	lions	s, In	C.						81	LL TO						AN/	LYS	IS R	EQU	EST			
Project Manag	er: Lance Crenshaw								P.O.	#:							T	T	T	T	T	T			
Address: 26	17 West Marland								Com	pany	y	Mewbo	ume			1	1							. 1	
City: Hobbs		State: NM	Zip	: 88	240				Attn:			Robbie Rur	nels							1					
Phone #: (57	75) 264-9884	Fax #:							Addr	ess:															
Project #: 15	048	Project Owner	r:	M	ewbo	ume	•		City:					1											
Project Name:	Zach 17-8 W1MD Fed (Com 1H							State	:		Zip:			TPH (8015M)	BTEX (8021B)									
Project Locatio	on: Rural Lea County, N	M						1	hon	e #:				Chloride	801	80									
Sampler Name	: Matthew Grieco							1	ax #	ł:				ਤ	H	EX				1					
FOR LAB USE ONLY				Г		M/	TRU	(PF	RESE	RV.	SAMPL	ING	1	1	E I		1							
Lab I.D. }	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
	FL 36 @ 3'		С	1		>			Т	X		12/9/21		X	X	X									
22	FL 38 @ 3'		С	1		>				X		12/9/21		X	X	X									
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enelyses. All claims inclus service. In no event shall (htre	sues whatboover shall be d unential damagas, including of sarvices hereinder by C Date: 12-10-21 Time; 1455 Date:	Re	d wak it find cei	ed unles silon, bu	whether By:	in will tompi	ng and n ions, los	colved i	by Care or loss	dinal w	ithin 30 days elle alls incurred by a	r completion of the	he applicat dae, a. suit: it:	ele Ve Ve] No] No		Phone Fax #:						
		-1.9 e	#	113	C		Inta s	Yes		V	(Initi	-	Please e						IV.CON	n			_	_	_

Revision 1.0

Received by OCD: 3/18/2022 1:44:54 PM



December 15, 2021

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/10/21 16:30.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 43 (H213585-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
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	12/14/2021	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	Qualifie
GRO C6-C10*	<10.0	10.0	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	95.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.8	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 44 (H213585-02)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 45 (H213585-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	211	105	200	1.50	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 46 (H213585-04)

BTEX 8021B	mg,	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	86.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.3	% 38.9-14	2						

Cardinal Laboratories

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 47 (H213585-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	95.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.9	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 48 (H213585-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	81.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.5	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 44 (H213585-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	83.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.7	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 45 (H213585-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	90.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.7	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 46 (H213585-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	93.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.4	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 47 (H213585-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	87.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.4	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 48 (H213585-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.5	% 38.9-14	2						

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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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 39 @ 3' (H213585-12)

BTEX 8021B	mg/kg		Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
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	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	88.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.4	% 38.9-14	2						

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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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 40 @ 3' (H213585-13)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.7	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 41 @ 3' (H213585-14)

BTEX 8021B	mg/kg		Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	96.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.4	% 38.9-14	2						

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Celez D. Keine

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:	12/10/2021	Sampling Date:	12/10/2021
Reported:	12/15/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 42 @ 3' (H213585-15)

BTEX 8021B	mg/kg		Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	1.73	86.6	2.00	17.0	
Toluene*	<0.050	0.050	12/14/2021	ND	1.77	88.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	1.79	89.6	2.00	11.9	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	5.52	92.0	6.00	10.1	
Total BTEX	<0.300	0.300	12/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/14/2021	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	12/14/2021	ND	196	98.0	200	0.807	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	194	97.1	200	4.18	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					
Surrogate: 1-Chlorooctane	83.2	% 44.3-13	3						
	05.2	/0 /1.5 15	5						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 19

RUI	NAI	LAD	JRAI	URI	ES	
101	East	Marland.	Hobbs.	NM	88240	

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

company Name: Etech Environmental & Safety	olutions, Inc.	BILL TO			ANALYSIS REQUEST
roject Manager: Lance Crens	haw	P.O. #:		T	
ddress: 2617 West Mariand		Company Member	me		
tity: Hobbs State: NM	Zip: 88240	Attn: Robbie Ru			
hone #: (575) 264-9884 Fax #:		Address:			
roject #: 15048 Project O	mer: Mewbourne	City:			
roject Name: Zach 17-8 W			e	2W)	2
roject Location: Jou, NM		Phone #:	Chloride	TPH (8015M)	(8021B)
ampler Name: Tyler Coriffin		Fax #:	Chie	H	BTEX
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPL		L L	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : ATAD	TIME		
1 NW43	X	× 12-10	×	- +	1
2 NW44	×	X 12-10	×		×
3 WW45	×	× 12-16	×	17	X
4 W W 48	×	X 12-10	×	1	X
5 N W47	X	× 12-10	×	1	×
6 NW 48	X	× 12-10	X	-	×
1 SW 44	K K	X 12-10	×	-	×
8 SW 45	X	\$ 12-10	~	×	×
4 SW 46	X	X 12-10	X	+	×
10 SW 47	X	A 2-10	X	+	X
EASE NOTE: Labelity and Damages. Cardina's labelity and client's exclusive reme alyses All Jams including these for negligence and any other cases wheteoever a roce. In no event shall Cardinate the fabelite for incidental or consequential damages, a littates or successors arising out of or related to the performance of services hereurs	If be deamed waved unless made in writing and luding without limitation, business interruptions, it r by Cardinal, regardless of whether <u>such claim</u>	t received by Cerdinal within 30 days all one of use, or tone of profile incurred by	er completion of the application, its subsidianes	able	
The Date: 12-10 The Date: 12-10 Time: 16-3 Date: Time:	Received By:	alda for	Phone Result: Fax Result: REMARKS:	Ye:	
Delivered By: (Circle One) 5.1 C	Cool_Intact_	(Initials)	Please email	сору о	of COC and results to pm@etechenv.com.
Sampler - UPS - Bus - Other: 4.60	#113 Pres Pres	10		es to 5	

Released to Imaging: 4/28/2022 12:16:26 PM

Revision 1.0

Rec



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 19

Company Name	Etech Environmental & Safety So	lutions	, ind	G.		BI	LL TO					ANALYSIS REQUEST	
roject Manage	Lance Crensha	w			P.0	. #:						•	
ddress: 261	7 West Marland				Con	npany M	lewbon	rve					
ity: Hobbs	State: NM	Zip	: 88	240				unrels					
hone #: (575) 264-9884 Fax #:				Add	ress:							
Project #: 15	048 Project Own	ner:	1-	wbowre	City								
	2ach 17-8 w1MD				Stat		Zip:	1	e	EM)	18)		
roject Location	Jal Nm	100	~			ne #:			Chloride	TPH (8015M)	BTEX (8021B)		
ampler Name:	Tyter Griffin				Fax				Chic	H	X		
FOR LAB USE ONLY		T		MATRIX	_	RESERV.	SAMPL	ING	0	4	BTI		
		MP		œ									
		(c)o	RS	ER									
Lab I.D.	Sample I.D.	OR	AINE	WAT		SOL :							
		G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER :	ACID/BASE ICE / COOL OTHER :							
213585		(G)	Ū #	GRO WAS SOIL OIL SLUE	E	ACI ACI	DATE	TIME					
11	SW 48	-		×	-	X	12-10		×	7	×		
12	FL 39 23' FL 46 23'	_		X	-	X	12-10		X	×	X		
13		_		×		X	12-10		×	×	X		
14	FL 41 23' FL 42 23'	-		X		2	12-10		X	X	×	···· / ·······························	
15	FL4LOS	-		^		1	12-16		×	X	X		
		+				-	2			1			
		+							÷ .		-	······	
		1									-		
		1					1		-		i		_
	I Damages. Cardinal's liability and client's exclusive remedy fo g those for negligence and any other cause whatsoever shall												
vice In no event shall Ce	rdinal be liste for incidental or consequental demages, inclu g out of or related to the performance of services hereunder to	ding withou	e timita	ation, business interruptions,	loss of u	se, or loss of pro	while incurred by o	dient, its subsidiarie					
elinquished By	Date:			ved By:				Phone Res		1 Yes			
1.1	12-10-21 Time: 30			Paulara	11	In I	100	Fax Result REMARKS		C Yes	s ON	No Add'l Fax #:	
elinguished By		Re	cer	Manu L	A	ange	yr -						
	Time:						/						
0.1			-0					Please en	nail c	opy of	f COC a	and results to pm@etechenv.com.	
	(Circle One) 5.1 C-	0.5	C	Sample Conditi	/	CHECK (Initi	als)						
Sampler - UPS	- Bus - Other: 4.6 c	#1	13	Yes Yes		Y	0,						
FORM-00			-		-								-



December 21, 2021

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/16/21 16:15.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 53 (H213647-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
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	12/17/2021	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	12/18/2021	ND	191	95.5	200	3.20	
DRO >C10-C28*	<10.0	10.0	12/18/2021	ND	189	94.7	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	12/18/2021	ND					
Surrogate: 1-Chlorooctane	62.0	% 62-130)						
Surrogate: 1-Chlorooctadecane	55.6	% 54.5-13	5						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 54 (H213647-02)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
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	12/17/2021	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	12/18/2021	ND	191	95.5	200	3.20	
DRO >C10-C28*	<10.0	10.0	12/18/2021	ND	189	94.7	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	12/18/2021	ND					
Surrogate: 1-Chlorooctane	67.6	% 62-130)						
Surrogate: 1-Chlorooctadecane	61.0	% 54.5-13	5						

Cardinal Laboratories

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 53 (H213647-03)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	83.1	% 62-130)						
Surrogate: 1-Chlorooctadecane	70.3	% 54.5-13	5						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: EW 1 (H213647-04)

BTEX 8021B	mg,	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 62-130)						
Surrogate: 1-Chlorooctadecane	70.4	% 54.5-13	5						

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Celeg D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: EW 2 (H213647-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	87.0	% 62-130	1						
Surrogate: 1-Chlorooctadecane	65.2	% 54.5-13	5						

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Celeg D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: EW 3 (H213647-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	81.9	% 62-130							
Surrogate: 1-Chlorooctadecane	58.5	% 54.5-13	5						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: EW 4 (H213647-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	83.9	% 62-130	1						
Surrogate: 1-Chlorooctadecane	59.4	% 54.5-13	5						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 48 (H213647-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	84.2	% 62-130	,						
Surrogate: 1-Chlorooctadecane	59.0	% 54.5-13	5						

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*=Accredited Analyte

Celeg D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 49 (H213647-09)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	85.1	% 62-130)						
Surrogate: 1-Chlorooctadecane	62.6	% 54.5-13	5						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 50 @ 4' (H213647-10)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
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	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	79.3	% 62-130)						
Surrogate: 1-Chlorooctadecane	56.5	% 54.5-13	5						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 51 @ 4' (H213647-11)

BTEX 8021B	mg/	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/17/2021	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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	80.1	% 62-130	,						
Surrogate: 1-Chlorooctadecane	62.0	% 54.5-13	5						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: WW 2 (H213647-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 69.9-14	0						
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	12/17/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	82.4	% 62-130)						
Surrogate: 1-Chlorooctadecane	63.5	% 54.5-13	5						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: WW 3 (H213647-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, 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	12/17/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	80.0	% 62-130)						
Surrogate: 1-Chlorooctadecane	56.8	% 54.5-13	5						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: WW 4 (H213647-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/17/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	78.9	% 62-130)						
Surrogate: 1-Chlorooctadecane	58.7	% 54.5-13	5						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 52 @ 4' (H213647-15)

BTEX 8021B	mg/	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/17/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	81.6	% 62-130)						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 47 @ 3.5' (H213647-16)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
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	12/17/2021 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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	84.0	% 62-130	,						
Surrogate: 1-Chlorooctadecane	65.7	% 54.5-13	5						

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Celez D. Keine

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:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/21/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	** (See Notes)
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 52 (H213647-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	<0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0						
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	12/17/2021 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	12/20/2021	ND	212	106	200	0.171	
DRO >C10-C28*	<10.0	10.0	12/20/2021	ND	194	96.9	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	12/20/2021	ND					
Surrogate: 1-Chlorooctane	83.0	% 62-130	1						
Surrogate: 1-Chlorooctadecane	64.0	% 54.5-13	5						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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No Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 21

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 1-72

Company Name	company Name: Etech Environmental & Safety Solutions, Inc.							ILL TO			ANALYSIS I	ANALYSIS REQUEST					
Project Manage	r: Lance Crenshaw					P.(0. #:								11		
Address: P.C	. Box 301					Co	mpany: /	Yewbou.	rne	1							
City: Lovingt	-Hobbs State: NM	Zip	902	88	740	Att		ie Runa									
						dress:			1								
Project #: 150	¥8 Project Owne	r: P.	11:	Run	15	Cit											
Project Name:	Pach 17-8 WIMD Fol Com	TĤ		67.9AA	EIS	Sta	ate:	Zip:			WS	18)					
Project Location	"Mewbourne Oil Compan					Ph	one #:			문	301	802					
Sampler Name:	Eric Mojica	4					x #:			Chloride	FPH (8015M)	BTEX (8021B)					
FOR LAB USE ONLY		П		MA	TRIX	1	PRESERV	SAMPL	ING		TP	BT					
Lab I.D. Hこ13147	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	OIL	SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER ;	DATE	TIME								
1	NW53	C	1	1			1	12-16-21		1	1	V					
2	NW 54	C	1	J			1	X		V	1	1					
3	SW 53	C	1	1			1	X		V	1	V					
4	EWI	C	1	1			1	X		V	V	V	•				
5	EW2	C	1	J			V	X		1	V	V					
6	EW3	C	1	1			1	K		V	V	V		_			
2	EW 4	C	L	V		_	V	X		V	V	1		_			_
8	FL 48	C	1	V		_	1	4		V	V	V		_			
9	FL 49	C	1	V		_	J	X		V	V	V		_			
ID EASE NOTE: LINE	FLSOCH	C		V			1	Z		V	V	V		_			
analyses All claims lacked	nd Damages. Cardinal's fiability and client's exclusive remedy for ing these for negligence and any other cause whatecever shall be ardinal be fiable for incidental or consequental damages, including and the state of the second se	e deemed	weine		n willing	and rece	ived by Cardinal				ble						
Relinquished B Relinquished B Relinquished B	ing out of or related to the performance of services hereunder by V: Date:	Rec Internet	ceiv	Ved By: Ved By: Ved By: Sample Cool		dition	SOM	the above stated n	Phone Re Fax Resu REMARK SQJ	se esult: It: S: npl		tal	No Add'I Phone #: No Add'I Fax #: Ken & b r of Hadden addressed and a factor of the fa	regh	it d	wel	they

Revision 1.0

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ARDINAL	LABO	RAT	ORI	ES
101 East N	larland,	Hobbs,	NM	88240

No Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: Project Manager		& Safety Sol	utions	. Inc.																		
roject Manager	Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Creashaw										IL.	LTO			ANALYSIS REQUEST							
									0. #:					1								
							.1.	Co	mpa	any:/	4	enbour	ne									
City: Lowington-Hobs State: NM Zip: 88260-88240 Phone #: (575) 396-2378 Fax #: (575) 396-1429 Project #: 5048 Project Owner: Robbie Runnels Project Name: Zach 17-8 WIMD Fed Com IH Project Location: Mew bourse Oil Company Sampler Name: Eric Mojica									je	Runne	s											
							Addmon															
roject #: 150	148	Project Own	er: R.	obbi	ef	VAA	Is	Cit	ty:													
roject Name: 7	Lach 17-8 WIM	D Fed Com	1H					Sta	ate:		Z	zip:			TPH (8015M)	BTEX (8021B)						
roject Location	Menbourne Dil	Company						Ph	one	#:				Chloride	801	(80			1			
ampler Name:	Eric Mojica			_				Fa	x #:					ਤ	H	EX						
FOR LAB USE ONLY	0.1		T	Π		MAT	RIX		PR	SERV	1	SAMPLI	NG		H	B						
HZ13647 Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER :	ACID/BASE:	ICE / COOL OTHER :		DATE	TIME									
10	FL 51.4		C	Tit		1		1		1		2-16-21		1	1	1						
12			C	il		V				J	ľ.			1	V	1						
13	WW3		c	il		1				J	T	1		V	V	V	1					
14	WW4		C	1		1				1	T	5		1	V	1						
15	WW4 F152e4'		C	1		1				1		/		1	1	1						
10	FL470 3/2		C	1		1				1		5		1	1	1						
17	NW 52		C	1		1				1				1	1	1						
nalyses. All claims including	id Damages. Cardinel's lieblity and clier ng those for negligence and any other c ardinel be lieble for incidental or conseq	iuse wholeoever shall i	be deeme	d welved	l uniess	made in	writing a	and rece	alved by	Cardinal	i vill	hin 30 days alto	r completion of 1	he applica	ble							
Relinquished By	ng out of or related to the performance of	Date: 12-16-21	Re	ceiv	less of v	whether s	uch clai	m is bee	sed up	An any of	Bite 2	above stated re	Phone Re Fax Resu REMARK	se. Isult: It:	O Ye			Add'l P Add'l F		#:	 	
C. M. Relinquished By	Ju	Time: 10-15 Date:	Re	ceiv	ed B	V:	H	W	VU	20,	K		-ACHERICA									
		Time:											Please e	email	esults	s to pr	@ete	chenv	.com			
Delivered By: Sampler - UPS	- Bus - Other: 11.6 -	.5 11. 113 ⁺⁰			Co	mple ol I Yes No	IL Y	es		A	州	D BY:										

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December 22, 2021

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/17/21 16:25.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/17/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NWA (H213660-01)

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	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
Chloride, SM4500Cl-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	12/20/2021	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	12/21/2021	ND	181	90.7	200	1.96	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	208	104	200	0.279	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	63.9	% 62-130)						
Surrogate: 1-Chlorooctadecane	62.9	% 54.5-13	5						

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*=Accredited Analyte

Celeg D. Keine

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:	12/17/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NWB (H213660-02)

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	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 69.9-14	0						
Chloride, SM4500Cl-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	12/20/2021	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	12/21/2021	ND	181	90.7	200	1.96	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	208	104	200	0.279	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	77.9	% 62-130)						
Surrogate: 1-Chlorooctadecane	78.3	% 54.5-13	5						

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Celeg D. Keine

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:	12/17/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FLA @ 1.5' (H213660-03)

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	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/20/2021	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	12/21/2021	ND	181	90.7	200	1.96	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	208	104	200	0.279	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	73.5	% 62-130	1						
Surrogate: 1-Chlorooctadecane									

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Celez D. Keine

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:	12/17/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FLB @ 1.5' (H213660-04)

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	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/20/2021	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	12/21/2021	ND	181	90.7	200	1.96	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	208	104	200	0.279	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	80.0 \$	62-130)						
Surrogate: 1-Chlorooctadecane	79.5 9	% 54.5-13	5						

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Celez D. Keine

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:	12/17/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FLC @ 1.5' (H213660-05)

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	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	69.9-14	0						
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	12/20/2021	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	12/21/2021	ND	181	90.7	200	1.96	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	208	104	200	0.279	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	72.1	% 62-130	,						
Surrogate: 1-Chlorooctadecane	71.5	% 54.5-13	5						

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Celez D. Keine

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:	12/17/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FLD @ 1.5' (H213660-06)

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	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.9-14	0						
Chloride, SM4500Cl-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	12/20/2021	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	12/21/2021	ND	181	90.7	200	1.96	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	208	104	200	0.279	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	84.3	% 62-130	,						
Surrogate: 1-Chlorooctadecane	84.1	% 54.5-13	5						

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Celez D. Keine

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:	12/17/2021	Sampling Date:	12/17/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - JAL NM		

Sample ID: WWA (H213660-07)

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	12/21/2021	ND	1.81	90.3	2.00	7.47	
Toluene*	<0.050	0.050	12/21/2021	ND	1.85	92.5	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.92	95.8	2.00	11.2	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	6.02	100	6.00	11.0	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	69.9-14	0						
Chloride, SM4500Cl-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	12/20/2021	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	12/21/2021	ND	181	90.7	200	1.96	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	208	104	200	0.279	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	74.4	% 62-130	1						
Surrogate: 1-Chlorooctadecane	73.7	% 54.5-13	5						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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age	101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

Released to Imaging: 4/28/2022 12:16:26 PM

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FOR LAB USE ONLY	Cric Mojica		-			N	ATR	IX	Fa	IX #	ESE	RV	SAMPLI	NG	0	TP	HE							
Lab I.D. H213660	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL SI IDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
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4	FLB . 1/2		C	1			1				1		2		1	V	V	-						
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No Rush

Revision 1.0

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



December 22, 2021

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/21 14:50.

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

Cardinal Laboratories is 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.

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. Keine

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:	12/20/2021	Sampling Date:	12/20/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 53 @ 4' (H213664-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63	
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.73	95.5	6.00	6.72	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/21/2021	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	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	116 9	62-130)						
Surrogate: 1-Chlorooctadecane	113 9	% 54.5-13	5						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	12/20/2021	Sampling Date:	12/20/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 54 @ 4' (H213664-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63	
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.73	95.5	6.00	6.72	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/21/2021	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	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	101 9	62-130	,						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/20/2021	Sampling Date:	12/20/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 55 @ 4' (H213664-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63	
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.73	95.5	6.00	6.72	
Total BTEX	<0.300	0.300	12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
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	12/21/2021	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	12/22/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/22/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/22/2021	ND					
Surrogate: 1-Chlorooctane	102 9	62-130)						
Surrogate: 1-Chlorooctadecane	98.7	% 54.5-13	5						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	12/20/2021	Sampling Date:	12/20/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 56 @ 4' (H213664-04)

BTEX 8021B mg/kg		′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63	
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52	
Total Xylenes*	<0.150 0.150		12/21/2021	ND	5.73	95.5	6.00	6.72	
Total BTEX	<0.300 0.300		12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/21/2021	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	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	102 9	62-130	,						
Surrogate: 1-Chlorooctadecane	99.3 % 54.5-13								

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Celeg D. Keine

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:	12/20/2021	Sampling Date:	12/20/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 53 (H213664-05)

BTEX 8021B	TEX 8021B mg/kg		Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63	
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52	
Total Xylenes*	<0.150 0.150		12/21/2021	ND	5.73	95.5	6.00	6.72	
Total BTEX	<0.300 0.300		12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/21/2021	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	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	94.3	% 62-130)						
Surrogate: 1-Chlorooctadecane	89.6	% 54.5-13	5						

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Celez D. Keine

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:	12/20/2021	Sampling Date:	12/20/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 54 (H213664-06)

BTEX 8021B	BTEX 8021B mg/kg		Analyze	d By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63		
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.73	95.5	6.00	6.72		
Total BTEX	<0.300 0.300		12/21/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0							
Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2021	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	12/21/2021	ND	210	105	200	4.45		
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05		
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND						
Surrogate: 1-Chlorooctane	112 9	62-130)							
Surrogate: 1-Chlorooctadecane	107 9	% 54.5-13	5							

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Celez D. Keine

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:	12/20/2021	Sampling Date:	12/20/2021
Reported:	12/22/2021	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: SW 55 (H213664-07)

BTEX 8021B	TEX 8021B mg/kg		Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63	
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.73	95.5	6.00	6.72	
Total BTEX	<0.300 0.300		12/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/21/2021	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	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					
Surrogate: 1-Chlorooctane	103 9	62-130)						
Surrogate: 1-Chlorooctadecane	99.1	% 54.5-13	5						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

101	East	Marland	, Hobbs,	NM	88240	
15	751 3	93-2326	EAX (57	5) 39	3-2476	

Company Name: Etech Environme	AX (575) 393-24 ntal & Safety Solut	_	nc.	BI	LL TO				ANALYSIS REQUEST
Project Manager: Lance	Lrensha	w		P.O. #:					
Address: 2617 West Marland				Company N	lewbourne				
City: Hobbs	State: NM	Zip: 8	8240	Attn: Robbi	'e Runnels				
Phone #: (575) 264-9884	Fax #:			Address: 🚽					
Project #: 15048	Project Owner	: Me	whomme	City:			-		
Project Name: Zach 17-8	WIND	Feel	con 1H	State:	Zip:	de	15M	21E	
Project Location: Jal, NM				Phone #:		Chloride	TPH (8015M)	BTEX (8021B)	
Sampler Name: Tyler Grit	ffin	_		Fax #:		ΰ	H	E I	
FOR LAB USE ONLY		a	MATRIX	PRESERV.	SAMPLING				
		G)RAB OR (C)OMP	E E E						
Lab I.D. Sample	LD.	G)RAB OR (C)C	GROUNDWATER WASTEWATER SolL OLL	ы Б					
		AB C	GROUND WASTEW SOIL OIL	OTHER : ACID/BASE ICE / COOL					
4213664		(G)R	GRO WAS SOIL SOIL	OTH OTH OTH OTH OTH	DATE TIME				
(FL53 Q	4'		X	X	12-20-21	X	X	X	
Z FL54 84			X	X	12-20-4	X	X	X	
3 FL 55 24			_ ×	XX	12-20-21	X	X	X	
4 FL 56 24	4		×		12-20-21	X	XX	X	
5 SW53			XX	XX	12-20-21	X	X	5	
6 SW54 7 SW55			~	1 x	12-20-21	×	X	X	
1-20030					12-20-24	1			
			1			1			
PLEASE NOTE: Lability and Damages Cardinal's lability and analyses All claims including those for negligence and any oth	er cause wherebever shall be o	learned wi	wed unless made in writing a	nd received by Cardinal v	within 30 days after completion of	the applicat	ble		
service. In no event shall Cardinal be fiable for incidental or con affiliates or successors arising out of or related to the performan	ce of services hereunder by C	ardinal, reg							
Relinquished By:	Date: 12-20-2	Rece	ived By:	DAA	Phone R Fax Res		C Ye		
Typeloo	Time:450	0	Jamara	1 VIAA	REMAR	KS:			
Relinquished By:	Date:	Rece	ived By:	any	g				
	Time:				-	••		(000	
Delivered By: (Circle One) 3	9° 10	05	Sample Condi	tion CHECK	ED BY:	email	copy c	of COC a	and results to pm@etechenv.com.
Sampler - UPS - Bus - Other:	3.40	i.s	Cool Intact	(imit	iais)				



January 10, 2022

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

RE: ZACH 17-8 W1MD FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 01/07/22 16:15.

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

Cardinal Laboratories is 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.

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. Keine

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:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: WW 5 (H220077-01)

BTEX 8021B	mg,	′kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2022	ND	1.99	99.5	2.00	7.27	
Toluene*	<0.050	0.050	01/10/2022	ND	1.91	95.6	2.00	7.56	
Ethylbenzene*	<0.050	0.050	01/10/2022	ND	1.84	92.2	2.00	7.94	
Total Xylenes*	<0.150	0.150	01/10/2022	ND	5.60	93.3	6.00	7.39	
Total BTEX	<0.300	0.300	01/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
Chloride, SM4500Cl-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	01/10/2022	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	01/10/2022	ND	203	101	200	0.0498	
DRO >C10-C28*	<10.0	10.0	01/10/2022	ND	190	94.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	01/10/2022	ND					
Surrogate: 1-Chlorooctane	99.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.1	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: WW 7 (H220077-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2022	ND	1.99	99.5	2.00	7.27	
Toluene*	<0.050	0.050	01/10/2022	ND	1.91	95.6	2.00	7.56	
Ethylbenzene*	<0.050	0.050	01/10/2022	ND	1.84	92.2	2.00	7.94	
Total Xylenes*	<0.150	0.150	01/10/2022	ND	5.60	93.3	6.00	7.39	
Total BTEX	<0.300	0.300	01/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500Cl-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	01/10/2022	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	01/10/2022	ND	203	101	200	0.0498	
DRO >C10-C28*	<10.0	10.0	01/10/2022	ND	190	94.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	01/10/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 37 @ 3' (H220077-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2022	ND	1.99	99.5	2.00	7.27	
Toluene*	<0.050	0.050	01/10/2022	ND	1.91	95.6	2.00	7.56	
Ethylbenzene*	<0.050	0.050	01/10/2022	ND	1.84	92.2	2.00	7.94	
Total Xylenes*	<0.150	0.150	01/10/2022	ND	5.60	93.3	6.00	7.39	
Total BTEX	<0.300	0.300	01/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500Cl-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	01/10/2022	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	01/10/2022	ND	203	101	200	0.0498	
DRO >C10-C28*	<10.0	10.0	01/10/2022	ND	190	94.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	01/10/2022	ND					
Surrogate: 1-Chlorooctane	97.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.4	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: FL 35 @ 3' (H220077-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2022	ND	1.99	99.5	2.00	7.27	
Toluene*	<0.050	0.050	01/10/2022	ND	1.91	95.6	2.00	7.56	
Ethylbenzene*	<0.050	0.050	01/10/2022	ND	1.84	92.2	2.00	7.94	
Total Xylenes*	<0.150	0.150	01/10/2022	ND	5.60	93.3	6.00	7.39	
Total BTEX	<0.300	0.300	01/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 69.9-14	0						
Chloride, SM4500Cl-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	01/10/2022	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	01/10/2022	ND	203	101	200	0.0498	
DRO >C10-C28*	<10.0	10.0	01/10/2022	ND	190	94.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	01/10/2022	ND					
Surrogate: 1-Chlorooctane	109 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	109 9	% 59.5-14	2						

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*=Accredited Analyte

Celeg D. Keine

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:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	ZACH 17-8 W1MD FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	15048	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - JAL NM		

Sample ID: NW 42 (H220077-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2022	ND	1.99	99.5	2.00	7.27	
Toluene*	<0.050	0.050	01/10/2022	ND	1.91	95.6	2.00	7.56	
Ethylbenzene*	<0.050	0.050	01/10/2022	ND	1.84	92.2	2.00	7.94	
Total Xylenes*	<0.150	0.150	01/10/2022	ND	5.60	93.3	6.00	7.39	
Total BTEX	<0.300	0.300	01/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
Chloride, SM4500Cl-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	01/10/2022	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	01/10/2022	ND	203	101	200	0.0498	
DRO >C10-C28*	<10.0	10.0	01/10/2022	ND	190	94.9	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	01/10/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 8 of 8

101 East Marland, Hobbs, NM 88240

Company Name: Etcch Environme		BILL TO	ANALYSIS REQUEST
Project Manager: Lance Crenshaw		P.O. #:	
Address: 7617 W Mawland		Company: Mewbourve	
City: Hobbs State: Nr	N Zip: 86242	Attn: Robbine Runnels	1
Phone #: Fax #:		Address:	1
Project #: 15048 Project Own	er:	City:	1
Project Name: Zach 17-8 W1 M			1
Project Location: Jal, NM		Phone #:	1
Sampler Name: Tyler Griffin		Fax #:	1
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SoiL OIL SLUDGE	OTHER: Acid/BASE: ICE / COOL OTHER: BUIL BUIL BUIL	CL BTEX FPH
1 WW5	X	X 1-7-22	
1 WW5 2 WW7	X	× 1-2-22	
2 WW7 3 FL 37 Q3' 4 FL 35 Q3' 5 NW 42	X	X 1-7-22	
4 FL 3 5 2 3'	X	× 1-7-22 × 1-7-22	
5 NW 42	X	× 1-7-22	
	X		
. **	X		
	X		
	X		
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for makyase. All cleans including those for negligence and any other cause whateoever shall service. In no event shall Cardinal be liable for incidental or consequental damages, includ affiliates or successors arising out of or related to the performance of services hereunder be Relinquished By: Type: Jack Jack Jack Jack Jack Jack Jack Jack	be deemed waived unless made in writing an fing without limitation, business interruptions, y Cardinal, regardless of whether such claim	d rocelved by Cardinal within 30 days effer completion of it toes of use, or toes of profils incurred by client, its unbailed is based upon eny of the above stated reasons or otherwi- Verbal Re	the applicable wros, ise. esult: Ves No Add'I Phone #: is are emailed. Please provide Email address:
Delivered By: (Circle One) Observed Temp. * Sampler - UPS - Bus - Other: Corrected Temp. *	Cool Intact	(Initials)	Ind Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ter ID #113 Factor -0.6°C Yes No No

Appendix E Correspondence

From:	Robbie Runnels
To:	Eads, Cristina, EMNRD; Morgan, Crisha A
Cc:	Connor Walker
Subject:	Zach 17/8 W1NC Fed Com #3H
Date:	Monday, September 20, 2021 4:16:29 PM

All,

Mewbourne Oil Company had a release greater than 25 bbls at the aforementioned location. The appropriate paperwork will be submitted in the coming days.

Thank you,

Robbie Runnels Mewbourne Oil Company

Get Outlook for iOS

From:	Lance Crenshaw
То:	Enviro, OCD, EMNRD
Cc:	Robbie Runnels; Connor Walker; Joel Lowry; Ben Arguijo
Subject:	napp2127433772
Date:	Friday, January 7, 2022 9:57:19 AM

This email serves as notice that Etech intends to collect excavation confirmation soil samples from the following locations/reportable release sites:

Mewbourne Oil Co – Zach 17/8 W1MD Fed Com #1H Battery– napp2127433772

If you have any questions or need any additional information, please contact Lance Crenshaw by phone (575-631-2532) or email (<u>lance@etechenv.com</u>

Lance Crenshaw Etech Environmental & Safety Solutions 575-631-2532

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	91342
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	4/28/2022

Action 91342