e of New Mexico

Incident ID NA PR2125960064

Incident ID	NAPP2125960064
District RP	
Facility ID	
Application ID	

### Closure

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

Closure Report Attachment Checklist: Each of the following items mu	st be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.11 NMA	C
Photographs of the remediated site prior to backfill or photos of the limust be notified 2 days prior to liner inspection)	ner integrity if applicable (Note: appropriate OCD District office
✓ Laboratory analyses of final sampling (Note: appropriate ODC Distric	t 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 and regulations all operators are required to report and/or file certain release may endanger public health or the environment. The acceptance of a C-141 should their operations have failed to adequately investigate and remediate human health or the environment. In addition, OCD acceptance of a C-141 compliance with any other federal, state, or local laws and/or regulations. Trestore, reclaim, and re-vegetate the impacted surface area to the conditions accordance with 19.15.29.13 NMAC including notification to the OCD when	enotifications and perform corrective actions for releases which report by the OCD does not relieve the operator of liability contamination that pose a threat to groundwater, surface water, report does not relieve the operator of responsibility for the responsible party acknowledges they must substantially that existed prior to the release or their final land use in
Printed Name: Connor Walker Title:	Sr. Engineer
Signature: Date: _	09/02/2022
email: cwalker@mewbourne.com Teleph	one: <u>(</u> 806)202-5281
OCD Only	
Received by: Jocelyn Harimon	Date: 09/02/2022
Closure approval by the OCD does not relieve the responsible party of liabil remediate contamination that poses a threat to groundwater, surface water, he party of compliance with any other federal, state, or local laws and/or regular	iman health, or the environment nor does not relieve the responsible
Closure Approved by: Robert Hamlet	Date: 2/9/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

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Incident ID	nAPP2125960064
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(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?		
Are the lateral extents of the release within a 100-year floodplain?		
Did the release impact areas <b>not</b> 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 well Field data	ls.	
Data table of soil contaminant concentration data		
Depth to water determination		
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release		
<ul><li>✓ Boring or excavation logs</li><li>✓ Photographs including date and GIS information</li></ul>		
Thotographs metading date and GIS information  Topographic/Aerial maps		
✓ Laboratory data including chain of custody		

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

Received by OCD: 9/2/2022 2:54:04 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	nAPP2125960064
District RP	
Facility ID	
Application ID	

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Connor Walker \_\_\_\_\_ Title: Sr. Engineer Date: 09/02/2022 Signature: email: cwalker@mewbourne.com Telephone: (806)202-5281 **OCD Only** Received by: Jocelyn Harimon 09/02/2022 Date:

Form C-141 Page 6

### State of New Mexico Oil Conservation Division

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

Incident ID	nAPP2125960064
District RP	
Facility ID	
Application ID	

### Closure

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

✓ 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 D	istrict 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 and regulations all operators are required to report and/or file certain remay endanger public health or the environment. The acceptance of a Coshould their operations have failed to adequately investigate and remed human health or the environment. In addition, OCD acceptance of a Compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditionaccom accordance with 19.15.29.13 NMAC including notification to the OCD Printed Name:  Connor Walker  Signature:  Cwalker@mewbourne.com  Temporary and complete to any complete to	lease notifications and perform corrective actions for releases which 1-141 report by the OCD does not relieve the operator of liability iate contamination that pose a threat to groundwater, surface water, 1-141 report does not relieve the operator of responsibility for as. The responsible party acknowledges they must substantially ions that existed prior to the release or their final land use in when reclamation and re-vegetation are complete.	
OCD Only		
Received by:	Date:09/02/2022	
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:	
Released to Imaging: 2/9/2023 8:09:40 AM  Liuteq Name:	Title:	

	I uge 5 of 2
Incident ID	nAPP2200753107
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(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?		
Are the lateral extents of the release overlying an unstable area such as karst geology?		
Are the lateral extents of the release within a 100-year floodplain?		
Did the release impact areas <b>not</b> 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 well Field data	ls.	
Data table of soil contaminant concentration data		
Depth to water determination		
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release		
<ul><li>✓ Boring or excavation logs</li><li>✓ Photographs including date and GIS information</li></ul>		
✓ Topographic/Aerial maps		
✓ Laboratory data including chain of custody		

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

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Page 6 of 27.
nAPP2200753107

**Application ID** 

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Connor Walker \_\_\_\_\_ Title: Sr. Engineer Signature: Date: 09/02/2022 email: cwalker@mewbourne.com Telephone: (806)202-5281 **OCD Only** Jocelyn Harimon 09/02/2022 Received by: \_ Date:

Form C-141 Page 6

### State of New Mexico Oil Conservation Division

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

Incident ID	nAPP2200753107
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District RP	
Facility ID	
Application ID	

### Closure

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

✓ 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 Dis	strict 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 and regulations all operators are required to report and/or file certain rel may endanger public health or the environment. The acceptance of a C-should their operations have failed to adequately investigate and remedi human health or the environment. In addition, OCD acceptance of a C-compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conditi accordance with 19.15.29.13 NMAC including notification to the OCD  Printed Name: Connor Walker	ease notifications and perform corrective actions for releases which 141 report by the OCD does not relieve the operator of liability at contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for s. The responsible party acknowledges they must substantially ons that existed prior to the release or their final land use in when reclamation and re-vegetation are complete.	
OCD Only		
Received by:	Date: 09/02/2022	
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:	
Released to Imaging: 2/9/2023 8:09:40 AM  Liuted Name:	Title:	

## Remediation Summary & Soil Closure Request

### Mewbourne Oil Company Chicago 9/8 W0HE Fee Com #1H Battery

Eddy County, New Mexico
Unit Letter "H", Section 9, Township 24 South, Range 28 East
Latitude 32.233647 North, Longitude 104.0862090 West
New Mexico Oil Conservation Division (NMOCD) Reference #'s:
nAPP2125960064 & nAPP2200753107

Prepared By:

Etech Environmental & Safety Solutions, Inc.

2507 79th Street, Unit A Lubbock, Texas 79423

en J. Arguijo

Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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SITE CHARACTERIZATION	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE	3.0
SITE ASSESSMENT	<b>4.0</b>
REGULATORY APPROVALS & STIPULATIONS	
REMEDIATION ACTIVITIES SUMMARY	6.0
RESTORATION, RECLAMATION & RE-VEGETATION PLAN	
SOIL CLOSURE REQUEST	
LIMITATIONS	
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### **FIGURES**

Figure 1 - Topographic Map

Figure 2 - Site Characterization Map

Figure 3 - Site & Sample Location Map

#### **TABLES**

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

#### **APPENDICES**

Appendix A - Depth to Groundwater Information

Appendix B - Field Data & Soil Profile Logs

Appendix C - Photographic Log

Appendix D - Laboratory Analytical Reports

Appendix E - Regulatory Correspondence

### 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 Chicago 9/8 W0HE Fee Com #1H Battery. A produced water release on December 24, 2021 (NMOCD Incident #nAPP2200753107), affected areas that had been previously impacted by a produced water release that occurred on September 7, 2021 (NMOCD Incident #nAPP2125960064), which was undergoing delineation and remediation at the time. The releases were limited to the tank battery containment area and production pad and did not impact the adjacent pasture.

The information provided in the "Release Notification" (Form C-141) for each release is summarized below. The areas affected by the commingled releases (henceforth referred to collectively as "Chicago 9/8 Battery") were delineated and remediated concurrently.

			Release #1					
		Locatio	n of Release So	urce				
Latitude:	32.2	33647	Longitude:		-104.086209			
		Provided	GPS are in WGS84 form	nat.				
Site Name: Chicago	9/8 W0H	E Fee Com #1H Batte	ry Site Type:	Pro	oduction Battery			
Date Release Discov	ered:	9/7/2021	API # (if appli	cable):	30-015-44260			
Unit Letter S	Section	Township	Range	County				
"H"	9	24S	28E	Eddy				
Surface Owner:	State	Federal Tribal	X Private (Na	me	Dick Calderon )			
		Nature a	nd Volume of R	elease				
Crude Oil	Volum	ne Released (bbls)	Volume Reco	Volume Recovered (bbls)				
X Produced Water	r Volum	ne Released (bbls)	80	Volume Reco	overed (bbls) 60			
		oncentration of total c		X Yes	No N/A			
Condensate	Volum	ne Released (bbls)		Volume Reco	overed (bbls)			
Natural Gas	Volun	ne Released (Mcf)		Volume Reco	vered (Mcf)			
Other (describe	) Volum	e/Weight Released		Volume/Weig	ht Recovered			
Cause of Release: A heater treater in the	he tank ba	ttery developed a hole	at the bottom.					
		In	itial Response					
X The source of the	e release h	as been stopped.						
X The impacted ar	ea has been	n secured to protect hun	nan health and the	environment.				
X Release material	ls have bee	n contained via the use	of berms or dikes,	absorbent pad, or o	other containment devices			
X All free liquids a	and recover	rable materials have been	en removed and ma	naged appropriatel	ly.			

		Release #2											
	Location of Release Source												
Latitude:	32.233647	Longitude:	-104.086209										
-	Pro	ovided GPS are in format.											
Site Name: Chicago 9	/8 W0HE Fee Com #1H Batt	ery Site Type:	Production Battery										
Date Release Discovere	ed: 12/24/2021	API # (if applica	able): 30-015-44260										
Unit Letter Sec	ction Township	Range	County										
"H"													
Surface Owner: Sta	ate Federal Tribal	X Private (Nam	e)										
	Surface Owner: State Federal Tribal X Private (Name Dick Calderon )  Nature and Volume of Release												
Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)										
X Produced Water	Volume Released (bbls)	1,135	Volume Recovered (bbls) 875										
	Is the concentration of total (TDS) in the produced water		X Yes No N/A										
Condensate	Volume Released (bbls)		Volume Recovered (bbls)										
Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)										
Other (describe)	Volume/Weight Released		Volume/Weight Recovered										
Cause of Release: A welded connection	on a poly line separated.												
	I	nitial Response											
X The source of the 1	release has been stopped.												
X The impacted area	has been secured to protect hu	man health and the en	vironment.										
X Release materials l	have been contained via the use	e of berms or dikes, at	osorbent pad, or other containment devices										
X All free liquids and	d recoverable materials have be	een removed and mana	aged appropriately.										

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

### 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the 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.

### **Site Assessment/Characterization**

What is the shallowest depth to groundwater beneath the area affected by the release?	25'
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?	Yes X 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?	Yes X 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 releases, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Chicago 9/8 Battery release site are as follows:

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

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

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

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

### 4.0 REGULATORY APPROVALS & STIPULATIONS

On December 10, 2021, an extension request was submitted to the NMOCD in regard to the September 7, 2021, release asking for additional time to conduct a proper site assessment, fully delineate the release, and devise an appropriate remediation strategy to advance the site to an NMOCD-approved closure. The extension request was subsequently approved by the NMOCD, with no added stipulations.

On April 6, 2022, an extension request was submitted to the NMOCD asking for additional time to fully delineate and/or excavate the commingled releases and allow time for upcoming fracking activities in the region to be completed. The extension request was subsequently denied by the NMOCD, with no added stipulations, aside from inclusion of the communique with the remediation and/or closure report.

Copies of all regulatory correspondence are provided in Appendix E.

### 5.0 SITE ASSESSMENT

On January 24, 2022, Etech conducted a site visit to assess the Chicago 9/8 Battery release site. During the site assessment, four (4) hand-augered soil bores (SP1 through SP4) were advanced within the inferred margins of the affected area in an effort to determine the vertical extent of impacted soil. In addition, eight (8) hand-augered soil bores (NH 1, NH 2, EH 1, EH 2, SH 1, SH 2, WH 1, and WH 2) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, a total of 24 delineation soil samples (NH 1 @ Surface, NH 1 @ 1', NH 2 @ Surface, NH 2 @ 1', EH 1 @ Surface, EH 1 @ 1', EH 2 @ Surface, EH 2 @ 1', SH 1 @ Surface, SH 1 @ 1', SH 2 @ Surface, SH 2 @ 1', WH 1 @ Surface, WH 1 @ 1', WH 2 @ Surface, WH 2 @ 1', SP1 @ Surface, SP1 @ 1', SP2 @ Surface, SP2 @ 1', SP3 @ Surface, SP3 @ 2', SP4 @ Surface, and SP4 @ 3') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below both the applicable NMOCD Closure Criteria and laboratory method detection limit (MDL) in each of the submitted soil samples, with the exceptions of soil samples SH 2 @ Surface, SP1 @ Surface, and SP3 @ Surface, which exhibited TPH concentrations ranging from 11.3 mg/kg (SH 2 @ Surface) to 102 mg/kg (SP1 @ Surface). Chloride concentrations ranged from 16.0 mg/kg in soil samples WH 2 @ Surface and WH 2 @ 1' to 11,800 mg/kg in soil samples SP1 @ Surface and SP2 @ Surface. Based on laboratory analytical results, the horizontal and vertical extent of impacted soil was adequately defined, and the depth of impacted soil ranged from approximately one (1) foot below ground surface (bgs) in the areas characterized by sample points SP1 and SP2 to three (3) feet bgs in the area characterized by sample point SP4.

The locations of the hand-augered soil bores are depicted in Figure 3, "Site & Sample Location Map".

### 6.0 REMEDIATION ACTIVITIES SUMMARY

On April 20, 2022, remediation activities commenced at the release site following the cessation of fracking activities in the immediate area and the complete deconstruction and removal of the Chicago 9/8 tank battery and associated containment areas, pumps, pipes, appurtenances, electrical facilities, and other miscellaneous equipment. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 50 linear feet from the excavation sidewalls and every 200 square feet from the floor of the excavated area to be submitted for laboratory analysis.

On April 26, 2022, Etech collected 14 confirmation soil samples (EW1, SW1, WW1, FL 1 @ 11' through FL 9 @ 11', FL 11 @ 12, and FL 12 @ 12) 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 and TPH were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 144 mg/kg in soil sample FL 4 @ 9' to 672 mg/kg in soil sample FL 6 @ 9', which exceeded the NMOCD Closure Criterion. Based on these laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 6 @ 9'.

On April 28, 2022, Etech collected four (4) confirmation soil samples (EW2, FS 10 @ 11', FS 16 @ 12', and FS 18 @ 11') 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 and TPH were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 336 mg/kg in soil sample FS 10 @ 11' to 784 mg/kg in soil sample EW2, which exceeded the NMOCD Closure Criterion. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample EW2.

On April 29, 2022, Etech collected 13 confirmation soil samples (WW2, FS 6 @ 10', FS 17 @ 11', and FS 19 @ 8' through FS 28 @ 7') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX and TPH were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 80.0 mg/kg in soil sample FS 27 @ 7' to 880 mg/kg in soil sample WW2, which exceeded the NMOCD Closure Criterion. Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil sample WW2 and soil sample FS 17 @ 11', which also exceeded the NMOCD Closure Criterion for chloride.

On May 3, 2022, Etech collected 10 confirmation soil samples (EW3, WW3, and FS 29 @ 7' through FS 36 @ 7') 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 and TPH were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 96.0 mg/kg in soil sample WW3 to 688 mg/kg in soil sample FS 35 @ 7', which exceeded the NMOCD Closure Criterion. Based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FS 35 @ 7'.

On May 4, 2022, Etech collected five (5) confirmation soil samples (FS 37 @ 7' through FS 41 @ 7') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 112 mg/kg in soil sample FS 37 @ 7' to 400 mg/kg in soil sample FS 39 @ 7'.

On May 5, 2022, Etech collected two (2) confirmation soil samples (EW4 and WW4) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 were 128 mg/kg in soil sample EW4 and 160 mg/kg in soil sample WW4.

On May 9, 2022, Etech collected 10 confirmation soil samples (FS 42 @ 7' through FS 51 @ 7') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 112 mg/kg in soil sample FS 48 @ 7' to 464 mg/kg in soil sample FS 42 @ 7'.

On May 11, 2022, Etech collected three (3) confirmation soil samples (EW2A, WW2A, and FS 17 @ 19') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations ranged from 320 mg/kg in soil sample WW2A to 448 mg/kg in soil sample FS 17 @ 19'.

On May 13, 2022, Etech collected 20 confirmation soil samples (EW5, WW5, FS 35 @ 8', and FS 54 @ 9' through FS 70 @ 6') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 112 mg/kg in soil sample FS 70 @ 6' to 496 mg/kg in soil sample FS 54 @ 9'.

On May 16, 2022, Etech collected 10 confirmation soil samples (FS 52 @ 19.5', FS 53 @ 19.5', FS 71 @ 4' through FS 77 @ 7', and FS 81 @ 4') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 96.0 mg/kg in soil sample FS 81 @ 4' to 448 mg/kg in soil sample FS 77 @ 7'.

On May 17, 2022, Etech collected 10 confirmation soil samples (EW6, WW6, FS 78 @ 5' through FS 80 @ 4', FS 82 @ 4' through FS 84 @ 8', FS 86 @ 3', and FS 87 @ 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 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 80.0 mg/kg in soil sample FS 82 @ 4' to 560 mg/kg in soil sample FS 79 @ 4'.

On May 18, 2022, Etech collected 10 confirmation soil samples (FS 88 @ 4.5' through FS 96 @ 3' and FS 98 @ 4.5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 64.0 mg/kg in soil sample FS 90 @ 5' to 400 mg/kg in soil samples FS 88 @ 4.5' and FS 92 @ 6'.

On May 19, 2022, Etech collected 10 confirmation soil samples (EW7, WW7, FS 97 @ 8.5', and FS 99 @ 3.5' through FS 105 @ 2.5') 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 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, with the exception of soil sample EW7, which exhibited a TPH concentration of 20.3 mg/kg. Chloride concentrations ranged from 80.0 mg/kg in soil samples FS 100 @ 4' and FS 104 @ 2.5' to 528 mg/kg in soil sample FS 101 @ 2.5'.

On May 23, 2022, Etech collected seven (7) confirmation soil samples (EW8 and FS 106 @ 2' through FS 111 @ 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 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, with the exception of soil sample FS 106 @ 2', which exhibited a TPH concentration of 15.7 mg/kg. Chloride concentrations ranged from 144 mg/kg in soil sample FS 106 @ 2' to 400 mg/kg in soil samples FS 108 @ 5.5' and FS 109 @ 5.5'.

On May 24, 2022, Etech collected three (3) confirmation soil samples (FS 112 @ 6', FS 113 @ 5', and FS 114 @ 4.5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 64.0 mg/kg in soil sample FS 112 @ 6' to 448 mg/kg in soil sample FS 114 @ 4.5'.

On May 25, 2022, Etech collected seven (7) confirmation soil samples (NW1, WW8, and FS 115 @ 4.5' through FS 119 @ 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 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 96.0 mg/kg in soil samples NW1, FS 117 @ 5', FS 118 @ 5', and FS 119 @ 5' to 400 mg/kg in soil sample FS 116 @ 4'.

The final dimensions of the excavated area were approximately 420 feet in length, 52 to 90 feet in width, and two (2) to 19.5 feet in depth. During the course of remediation activities, Etech transported approximately 10,042 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 8,550 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

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

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

The releases were limited to the tank battery containment area and production pad and did not impact the adjacent pasture. Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions and compacted/contoured to facilitate rebuilding of the tank battery. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the new facility.

### 8.0 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 in-situ 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 Chicago 9/8 Battery release site.

### 9.0 LIMITATIONS

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

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

### 10.0 DISTRIBUTION

Mewbourne Oil Company 4801 Business Park Blvd. Hobbs, NM 88240

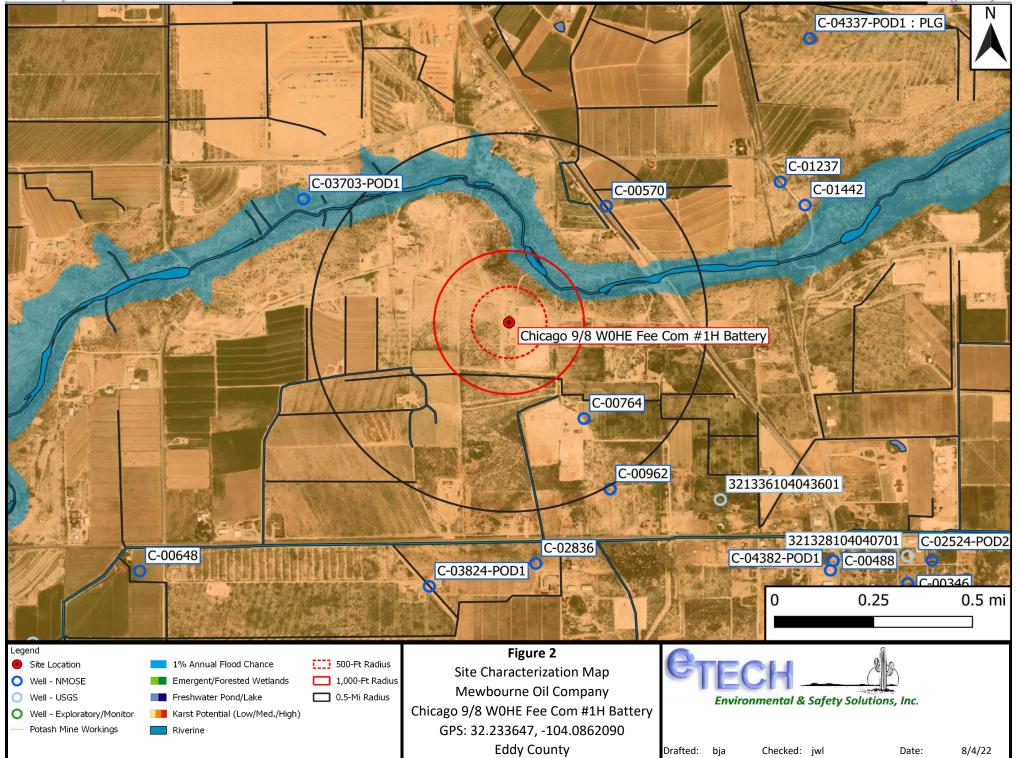
New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

(Electronic Submission)

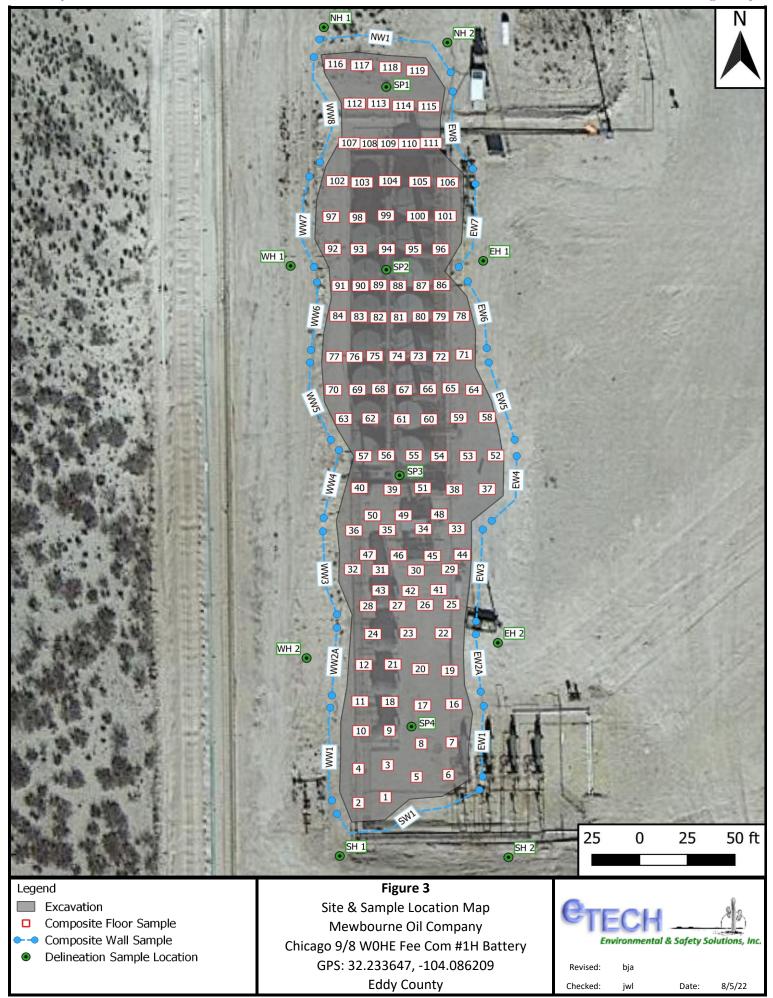
### Figure 1 Topographic Map

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## Figure 2 Site Characterization Map



## Figure 3 Site & Sample Location Map



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

### Table 1 Concentrations of BTEX, TPH & Chloride in Soil **Mewbourne Oil Company** Chicago 9/8 W0HE Fee Com #1H Battery

		NMO	CD Refe	rence #'s:	nAPP212	5960064	& nAPP22	00753107			
NMOC	D Closure Crit	teria		10	50	N/A	N/A	N/A	N/A	100	600
NMOCD F	Reclamation St	andard		10	50	N/A	N/A	N/A	N/A N/A 100		
				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 <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
				1	Delineation S	amples					
NH 1 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH 1 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH 2 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
NH 2 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
EH 1 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EH 1 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
EH 2 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
EH 2 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SH 1 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH 1 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SH 2 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	11.3	11.3	<10.0	11.3	240
SH 2 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 1 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WH 1 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WH 2 @ Surface	1/24/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH 2 @ 1'	1/24/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP1 @ Surface	1/24/2022	0	Excavated	< 0.050	< 0.300	<10.0	102	102	<10.0	102	11,800
SP1 @ 1'	1/24/2022	1	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SP2 @ Surface	1/24/2022	0	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,800
SP2 @ 1'	1/24/2022	1	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SP3 @ Surface	1/24/2022	0	Excavated	< 0.050	< 0.300	<10.0	19.3	19.3	<10.0	19.3	560
SP3 @ 2'	1/24/2022	2	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP4 @ Surface	1/24/2022	0	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
SP4 @ 3'	1/24/2022	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
	,				Excavation S		1		,	1	1
NW1	5/25/2022	1-4	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW1	4/26/2022	1-11	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
EW2	4/28/2022			< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
EW2A	5/11/2022	1-11	In-Situ	-	-	-	-	-	-	-	352
EW3	5/3/2022	1-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
EW4	5/5/2022	1-18.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EW5	5/13/2022	1-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
EW6	5/17/2022	1-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
EW7	5/19/2022	1-2	In-Situ	< 0.050	< 0.300	<10.0	20.3	20.3	<10.0	20.3	144
EW8	5/23/2022	1-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SW1	4/26/2022	1-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW1	4/26/2022	1-11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
WW2	4/29/2022	1-11	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
WW2A	5/11/2022	1-11	In-Situ	-	-	-	-	-	-	-	320
WW3	5/3/2022	1-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW4	5/5/2022	1-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW5	5/13/2022	1-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160

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

**Bold:** NMOCD Closure Criteria exceedance.

#### Table 1

### Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company

### Chicago 9/8 W0HE Fee Com #1H Battery

NMOCD Reference #'s: nAPP2125960064 & nAPP2200753107

NMOCD Reference #'s: nAPP2125960064 & nAPP2200753107  NMOCD Closure Criteria 10 50 N/A N/A N/A N/A 100 600													
NMOC	D Closure Crit	teria		10	50	N/A	N/A	N/A	N/A	100	600		
NMOCD I	Reclamation St	andard		10	50	N/A N/A		N/A N/A		100	600		
				SW 846	6 8021B		SV		Ext.	1	4500 Cl		
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)		
WW6	5/17/2022	1-7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416		
WW7	5/19/2022	1-7.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432		
WW8	5/25/2022	1-5.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128		
FL 1 @ 11'	4/26/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544		
FL 2 @ 11'	4/26/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512		
FL 3 @ 11'	4/26/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464		
FL 4 @ 9'	4/26/2022	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144		
FL 5 @ 9'	4/26/2022	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208		
FL 6 @ 9'	4/26/2022	9	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672		
FS 6 @ 10'	4/29/2022	10	In-Situ	-	-	-	-	-	-	-	272		
FL 7 @ 11'	4/26/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304		
FL 8 @ 11'	4/26/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336		
FL 9 @ 11'	4/26/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400		
FS 10 @ 11'	4/28/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336		
FL 11 @ 12	4/26/2022	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304		
FL 12 @ 12	4/26/2022	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320		
FS 16 @ 12'	4/28/2022	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448		
FS 17 @ 11'	4/29/2022	11	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800		
FS 17 @ 19'	5/11/2022	19	In-Situ	-	-	-	-	-	-	-	448		
FS 18 @ 11'	4/28/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560		
FS 19 @ 8'	4/29/2022	8	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528		
FS 20 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176		
FS 21 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112		
FS 22 @ 8'	4/29/2022	8	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544		
FS 23 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160		
FS 24 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208		
FS 25 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224		
FS 26 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288		
FS 27 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0		
FS 28 @ 7'	4/29/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160		
FS 29 @ 7'	5/3/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224		
FS 30 @ 7'	5/3/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352		
FS 31 @ 7'	5/3/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432		
FS 32 @ 7'	5/3/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464		
FS 33 @ 7'	5/3/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400		
FS 34 @ 7'	5/3/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464		
FS 35 @ 7'	5/3/2022	7	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688		
FS 35 @ 8'	5/13/2022	8	In-Situ	-	-	-	-	-	-	-	464		
FS 36 @ 7'	5/3/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560		
FS 37 @ 7'	5/4/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112		
FS 38 @ 7'	5/4/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304		
FS 39 @ 7'	5/4/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400		
FS 40 @ 7'	5/4/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288		

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

**Bold:** NMOCD Closure Criteria exceedance.

#### Table 1

### Concentrations of BTEX, TPH & Chloride in Soil **Mewbourne Oil Company**

### Chicago 9/8 W0HE Fee Com #1H Battery

NMOCD Reference #'s: nAPP2125960064 & nAPP2200753107

		NMO	CD Refe	rence #'s:	nAPP212	5960064 8	& nAPP22	00753107			
NMOC	D Closure Crit	teria		10	50	N/A	N/A	N/A	N/A	100	600
NMOCD F	Reclamation St	andard		10	50	N/A	N/A	N/A	N/A	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 <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FS 41 @ 7'	5/4/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FS 42 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FS 43 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 44 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FS 45 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 46 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FS 47 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FS 48 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 49 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 50 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FS 51 @ 7'	5/9/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 52 @ 19.5'	5/16/2022	19.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 53 @ 19.5'	5/16/2022	19.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FS 54 @ 9'	5/13/2022	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FS 55 @ 9'	5/13/2022	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FS 56 @ 6.5'	5/13/2022	6.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 57 @ 6.5'	5/13/2022	6.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FS 58 @ 7'	5/13/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FS 59 @ 7'	5/13/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FS 60 @ 7.5'	5/13/2022	7.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FS 61 @ 10'	5/13/2022	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FS 62 @ 10'	5/13/2022	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 63 @ 10'	5/13/2022	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FS 64 @ 4'	5/13/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 65 @ 4'	5/13/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FS 66 @ 11'	5/13/2022	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FS 67 @ 4'	5/13/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FS 68 @ 5'	5/13/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FS 69 @ 6'	5/13/2022	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FS 70 @ 6'	5/13/2022	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FS 71 @ 4'	5/16/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FS 72 @ 5'	5/16/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FS 73 @ 4'	5/16/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 74 @ 4'	5/16/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FS 75 @ 5'	5/16/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FS 76 @ 4'	5/16/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FS 77 @ 7'	5/16/2022	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FS 78 @ 5'	5/17/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 79 @ 4'	5/17/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FS 80 @ 4'	5/17/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FS 81 @ 4'	5/16/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 82 @ 4'	5/17/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 83 @ 6.5'	5/17/2022	6.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448

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

Bold: NMOCD Closure Criteria exceedance.

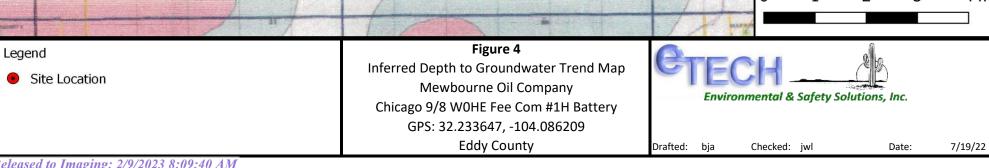
#### Table 1

### Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company

### Chicago 9/8 W0HE Fee Com #1H Battery NMOCD Reference #'s: nAPP2125960064 & nAPP2200753107

NMO	CD Closure Crit	teria		10	50	N/A	N/A	N/A	N/A	100	600
NMOCD	Reclamation St	andard		10	50	N/A	N/A	N/A	N/A	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 <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FS 84 @ 8'	5/17/2022	8	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FS 86 @ 3'	5/17/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 87 @ 3'	5/17/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 88 @ 4.5'	5/18/2022	4.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FS 89 @ 4.5'	5/18/2022	4.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FS 90 @ 5'	5/18/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 91 @ 5'	5/18/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FS 92 @ 6'	5/18/2022	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FS 93 @ 3'	5/18/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FS 94 @ 3'	5/18/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 95 @ 3'	5/18/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FS 96 @ 3'	5/18/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 97 @ 8.5'	5/19/2022	8.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FS 98 @ 4.5'	5/18/2022	4.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FS 99 @ 3.5'	5/19/2022	3.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 100 @ 4'	5/19/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 101 @ 2.5'	5/19/2022	2.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
FS 102 @ 5.5'	5/19/2022	5.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS 103 @ 4.5'	5/19/2022	4.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FS 104 @ 2.5'	5/19/2022	2.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS 105 @ 2.5'	5/19/2022	2.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 106 @ 2'	5/23/2022	2	In-Situ	< 0.050	< 0.300	<10.0	15.7	15.7	<10.0	15.7	144
FS 107 @ 6.5'	5/23/2022	6.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 108 @ 5.5'	5/23/2022	5.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FS 109 @ 5.5'	5/23/2022	5.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FS 110 @ 5'	5/23/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 111 @ 5'	5/23/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FS 112 @ 6'	5/24/2022	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 113 @ 5'	5/24/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 114 @ 4.5'	5/24/2022	4.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FS 115 @ 4.5'	5/25/2022	4.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 116 @ 4'	5/25/2022	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FS 117 @ 5'	5/25/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 118 @ 5'	5/25/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 119 @ 5'	5/25/2022	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

## Appendix A Depth to Groundwater Information





## New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	·								·			
	POD											
	Sub-		QQ	Q						Depth	Depth	Water
POD Number	Code basin C	ounty 6	64 16	4 5	Sec Tws	Rng	Х	Υ	Distance	Well	Water	Column
C 00764	CUB	ED	3 1	3	10 24S	28E	586399	3566292* 🌍	509	118	25	93
C 00570	CUB	ED	1	1	10 24S	28E	586490	3567195* 🎒	633	100	28	72

Average Depth to Water: 26 feet

**DEPTH TO WATER** 

Minimum Depth: 25 feet

Maximum Depth: 28 feet

**Record Count: 2** 

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

**Easting (X):** 586094.43 **Northing (Y):** 3566700.38 **Radius:** 804.67

\*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.



### 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

Q64 Q16 Q4 Sec Tws Rng

X Y

C 00764 3 1 3 10 24S 28E

586399 3566292\*

9

**Driller License: Driller Company:** 

**Driller Name:** W.C. MOORE

**Drill Start Date:** 05/15/1957 **Drill Finish Date:** 05/25/1957 **Plug Date:** 

Log File Date: **PCW Rcv Date:** 10/16/1958 04/15/1958 Source: Shallow **Pump Type: TURBIN** Pipe Discharge Size: **Estimated Yield:** 400 GPM **Casing Size:** 16.00 Depth Well: 118 feet **Depth Water:** 25 feet

Water Bearing Stratifications:

Top Bottom Description

23 24 Other/Unknown

85 115 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

23 30

85 115

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, or suitability for any particular purpose of the data.

1/31/22 10:47 AM

POINT OF DIVERSION SUMMARY

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



### 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

C 00570

10 24S 28E 3567195\*

**Driller Company:** 

**Driller License:** 

161

**B & F DRILLING COMPANY** 

**Driller Name:** 

W.D. BRININSTOOL

**Drill Finish Date:** 

08/14/1954 **Plug Date:** 

**Drill Start Date:** Log File Date:

08/12/1954 09/10/1954

**PCW Rcv Date:** 

Source:

Shallow

**Pump Type:** 

**Estimated Yield:** 

**Casing Size:** 

Pipe Discharge Size:

Depth Well:

100 feet

**Depth Water:** 

28 feet

**Water Bearing Stratifications:** 

**Top Bottom Description** 

30

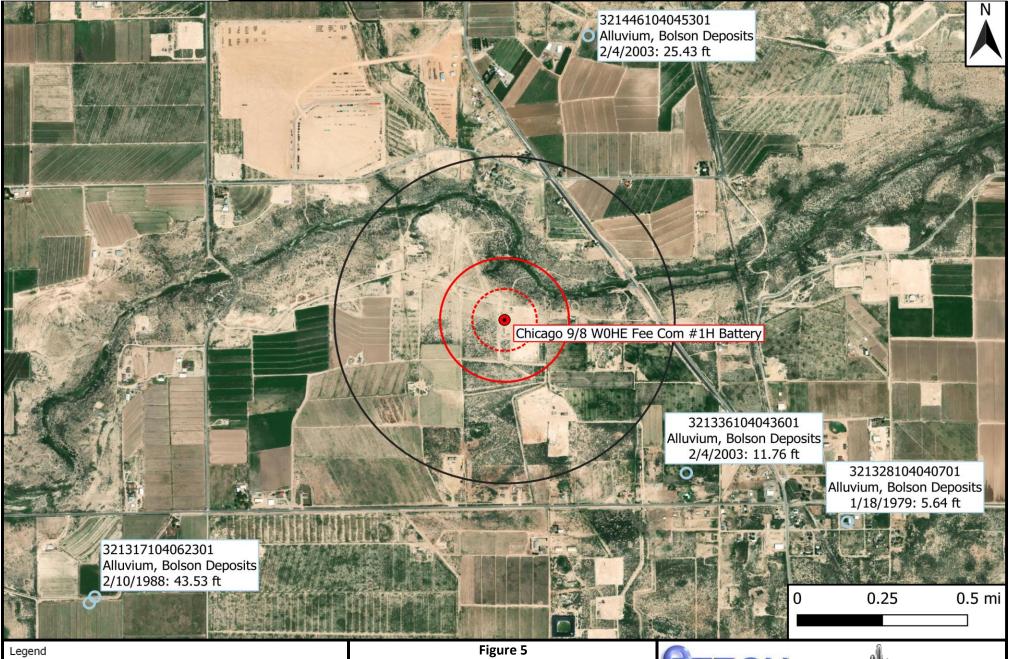
32 Sandstone/Gravel/Conglomerate

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.

1/31/22 10:47 AM

POINT OF DIVERSION SUMMARY

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



Site Location

Well - USGS

500-Ft Radius

☐ 1,000-Ft Radius ☐ 0.5-Mi Radius

USGS Well Proximity Map Mewbourne Oil Company Chicago 9/8 WOHE Fee Com #1H Battery GPS: 32.233647, -104.086209 Eddy County





Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date:

7/19/22



0

Click forNews Bulletins

Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site no list =

• 321336104043601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 321336104043601 24S.28E.10.343114

Eddy County, New Mexico
Latitude 32°13'36", Longitude 104°04'36" NAD27
Land-surface elevation 3,012 feet above NAVD88
The depth of the well is 50 feet below land surface.
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 aguifer.

Output formats

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

Date \$	Time \$	? Water- level date-time accuracy	? Parameter   code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring \$\hat{\phi}\ agency	? Source of measurement	? Water- level  approval status
1974-01-25		D	72019	7.00			1	Z			Α
1983-01-31		D	72019	7.10			1	Z			А
1988-02-11		D	72019	6.89			1	Z			А
1992-10-20		D	72019	6.48			1	S			Α
1998-01-07		D	72019	7.62			1	S			Α
2003-02-04		D	72019	11.76			1	S	USGS	S	А

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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	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	Α	Approved for publication Processing and review completed.

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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: 2022-08-04 17:33:38 EDT

0.29 0.23 nadww01





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Search Results -- 1 sites found

Agency code = usgs site no list =

• 321328104040701

Minimum number of levels = 1

Tab-separated data

Save file of selected sites to local disk for future upload

#### USGS 321328104040701 24S.28E.15.21224

Eddy County, New Mexico Latitude 32°13'28", Longitude 104°04'07" NAD27 Land-surface elevation 3,003 feet above NAVD88

This well is completed in the Other aguifers (N99990THER) national aguifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aguifer.

#### **Output formats**

<u>Graph of data</u>											
Reselect period											
Date \$	Time \$	? Water- level	? Parameter	Water level, feet below	Water level, feet above \$	Referenced vertical \$\datum\$	?	? Method of	? Measuring $\hat{\mathbf{v}}$	? Source of	? Water- level
			code	land surface	specific vertical datum	datum	Status	measurement	agency	measurement	approval status
1955-07-13		D	72019	10.38			1	Z			
1974-01-25		D	72019	9.30			1	Z			
1975-01-29		D	72019	5.35			1	Z			
1976-01-14		D	72019	9.02			1	Z			
1977-01-14		D	72019	10.07			1	Z			
1978-01-25		D	72019	9.84			1	Z			
1979-01-18		D	72019	5.64			1	Z			

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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	Α	Approved for publication Processing and review completed.

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Search Results -- 1 sites found

Agency code = usas site no list =

• 321446104045301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 321446104045301 24S.28E.04.422422

Eddy County, New Mexico Latitude 32°14'46", Longitude 104°04'53" NAD27

Land-surface elevation 3,021 feet above NAVD88

The depth of the well is 250 feet below land surface.

This well is completed in the Other aguifers (N9999OTHER) national aguifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### **Output formats**

Parameter code   Parame	<u>Tab-separated data</u> <u>Graph of data</u>									
		level date-time	Parameter	level, feet below land	level, feet above \$ specific vertical	vertical \$	÷	Method of	Source of	level approval

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#### Explanation

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

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0

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Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site no list =

• 321317104062301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 321317104062301 24S.28E.17.231111

Eddy County, New Mexico

Latitude 32°13'17", Longitude 104°06'23" NAD27

Land-surface elevation 3,054 feet above NAVD88

The depth of the well is 265 feet below land surface.

This well is completed in the Other aguifers (N9999OTHER) national aguifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats** 

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

Date \$	Time \$	? Water-level \$ date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above \$pecific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring \$ agency	? Source of measurement	? Water- level \$ approval status
1946-10-22		D	72019	25.90			1	Z			А
1947-02-08		D	72019	25.10			1	Z			Α
1947-10-22		D	72019	23.51			1	Z			Α
1948-01-13		D	72019	23.18			1	Z			Α
1948-02-09		D	72019	24.87			1	Z			Α
1949-01-29		D	72019	24.54			1	Z			Α
1950-01-19		D	72019	26.59			1	Z			Α
1951-01-17		D	72019	22.70			1	Z			А

Date \$	Time \$	? Water-level \$ date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above \$pecific vertical datum	Referenced vertical \$\phi\$ datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1952-01-16		D	72019	22.71			1	Z			А
1953-01-24		D	72019	23.38			1	Z			А
1954-01-18		D	72019	27.05			1	Z			А
1955-01-19		D	72019	25.68			1	Z			А
1956-01-11		D	72019	25.55			1	Z			А
1959-01-14		D	72019	27.42			1	Z			А
1988-02-10		D	72019	43.53			1	Z			А

#### Explanation

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

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# Appendix B Field Data & Soil Profile Logs



Project: Chicago 9-8 Wolf Fee Con 1

15066 Latitude: 32.233468 Longitude: -104.08525 Project Number:

Sample ID	PID/Odor	Chloride Conc.	GPS
FILO 11	NoNe	440	
F12@11	None	280	
F3@11	None	280	
F14 @ 9	NONE	200	
AS (9) 9	NONE	352	
F6 @ 9	WOWE	448	
5WI	Nenz	200	
F9@ 11	NORDA	488	
EWIP	None	446	
MI	NONA	352	
FN 6 17	None		
1120 12	WOME	488	
701	120111	488	
FL 30 11	NOME	536	
EW2	-	1384.1164.900.576	
FS 10011'		432	
FS16011: FS16012"		704.316 34. 18. 19.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
FS 17e11. FS 17e12. FS17e	13' -	592.648.680.1144.680.488	
FS 18e11'	_	488	
W W 2			
VATAS	-	MAN	
· Sale7	-	476	**************************************
FS 27 e7'	-	312	
F52607 FS 2007	_	348	
FSATET' FSATET	-	276	
F\$ 28e7'	-	312	
FS1907: FS1908	_	628-476	
FS2207:FS1208	-	740.524	
F583e7		348	
FS24e7'	_	3(2	
FS 25e 7		476	
FS 29e7	-	348	
F 5 30e7'	-	524	
FS 3107	-	476	
FS 3207'		524	
EW3	_	212	

Sample Point = SP #1 @ ## etc

Floor = FL#1 etc WW 3

Sidewall = SW #1 etc

3096-184 Test Trench = TT #1@##

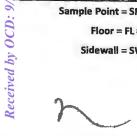
Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

**GPS Sample Points, Center of Comp Areas** 





Dat:			

Project: Chicago 9-8 WOHE Fee Coa H

Project Number: 15066 Latitude: 32.233468 Longitude: -104.08575

Sample ID	PID/Odor	Chloride Conc.	GPS
		(4.3.)	
F\$35e8		= 1 · 524	
WW84	_	>2432-800-524-WW4+524	
F337e-	_	A R	
FS38°7	_	524	
FS 37e	_	1432	
FS4026-FS4027'		1224.524	
EW4		249	
FW2A	~	432	
WW 2 A	-	1524	
FS 17019'		<b>P</b> 432	
FS4/e7	-	524	
FS42e7		1476	
F543e7		476	
FS 44e7	<u>-</u>	348	
F545e7		212	
FS 46 = 7'		432	
FS47e7'	_	524 244	
FS 4807		244	
FS4927'		312	
FS 50e7'		476	
FS51c7'	-	312	
FS 52 e9:011 ie 13-014:015		1068.756-900-900-900-16:1124	e17 1292.18 1292 e19259
FS 5309:0113014:015		1068-800-1044-1124-832e16 104	e17 900-18 1124 e191/2 588
FS 542 6 1/2 09	~	006.476	
FS 55-6/2-27/2-9	-	680-680-476	
FS 5606/2		576	
FS 5766/2		<b>507</b> 352	
EW4+		860.800.972.1292.1124-1204.120	<u> </u>
FS 58 e 7	~	1-88 1-40	
F559e7'	~	1440	
FS 60 e 7 1/3		1488	
F5 81@71/21:9010		900-768-396	
F5 62@81/5.71/2 e9:010		1,204-900-1124.704-011-316	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc FS & 3 & 6/2'

Sidewall = SW #1 etc WW 3; ~ 2584

1204e71/

Test Trench = TT #1 @ ## 1/2 4 eq 1/584 Resamples = SP #1 @ 5b or SW #1b

Refusal = SP #1 @ 4'-R & 10 24 2 11-346 Stockpile = Stockpile #1

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

GPS Sample Points, Center of Comp Areas



Date:

Project:

Chicago 9-8 W0HE Fee Com 1

Project Number:

15066 Latitude: 32.233468

Longitude:

-104.08525

Sample ID	PID/Odor	Chloride Conc.	GPS
FLI & 6'	469	8.4 > 2572	
E11 0.7		7.2 2044	
FU @ 7.5	-	70 1920	
C11 C 8.51	_	1 d 17/5	
ILI e 91		1649	
ELI e 9'		2,8 344	•
WWI @ m'		1/, 6 7249	
ELI @ 9' "WWI @ 10' "SWI @ 10'		9,0 72572	
WWIL EIGH		6.4 1532	
INWIC @ 101		G. 2 1478	
NWWID @ OND 10"		5.9 924	
MM 10 8 15 C 10			
WWIE @ 10'		5.2 996	AH Alt test of Will
1		11.6- 768	
Th 2 min 11 /5-		4.4 536	
		20 352/FS7006'	352
FS69e4=6		768.536	
WW5		2584->2584.316	
F568e4250 F56764'	_	768.536 536	
F56764'		536	
FS664'65'667'	~	768:592-648-900	
FSE524' FSE4e4'		488	
FS64e4		352	
ENSAL		536	
WW 5+6		900	
FS7704'66	-	832-488	
F57624	_	488	
FS75c4'e5'	~	572.396	
FS74e4	-	488	
F573e4'	-	244	
PS7204°	-	592.588?	
F57104'	-	400	
EW5-16?	_	356	
EW5-16? -5844590868' -583456640868'	_	756 536	
1583°5°6 612°	_	756-536	
WW6?	-	488	

Sample Point = SP #1 @ ## etc Floor = FL #1 etc FS & 2 e 4'
Sidewall = SW #1 etc FS 8 | e 4'

Mate Jars For 52153 0/1/13

444

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

536 Soil Intended to be Deferred = SP #1 @ 4' In-Situ Resamples= SP #1 @ 5b or SW #1b Stockpile = Stockpile #1

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**GPS Sample Points, Center of Comp Areas** 



Date:	

Project: Chicago 9-8 WOHE Seelon |
Project Number: 15066 Latitude: 32.23348 Longitude: -104.08525

Sample ID	PID/Odor	Chloride Conc.	GPS
FS 8004	T = -	400	
FS 79 e 4		536	
FWG	_	880.536	
FS7864'e5'	_	676.356	
F591 . 5		356	
FS90e5.		356	
WW6	_	488	
FS 89041/2		356	
FS 88041/2	_	444	
IFS 8703'		400	
FS 8603	_	400	
EW6		536	
FS9203'06'		2360-536	
FS93e3'		488	
FS94e3'		444	
FS9503'		444	
F596e3'		356	
WW7	_	2188-1020-696	
F597e5-6/2081/2	_	2616-1176-356	
FS9804/2		244	
FS 99031/2		380	
FS 100031/2		400	
FS 10102/2'		536	
I E W I		1544.1896.400	
WW725		488	
FS102651/2		212	
FS103e2e4/2		176-536	
FS104021/2		180	
FS 1050 21/2'		316	
EW7+	ļ <u>-</u>	1348-1096-400	
5/106°d/2		1400	
FS 10 6 c 2 1/2 FS 10 70 4 05 1/2 c 6 1/2 POR POR EW 8? FS 10 9 c 3 c 5 1/2 c FS 10 9 c 3 c 5 1/2 c FS 11 0 c 2 1/2 c		948.880 880.244 948.396	
ODDANNEW ELV 8:		880.944	
1 3 10% • 3 • 5 ½		7+3,376	
FS 10903051/2.		1816 . 48 8	
L2 1100 9/5		696-400	







					Date:
Project:	Chicago 98 W	pHE fee ym 1			
Project Num			Latitude:	32.233468	Longitude: ~104.08 5.25

Sample ID	PID/Odor	Chloride Conc.	GPS
FS112e4'e5'e6' FS112e4'e5'e6' FS113e3'e5' FS114e21/2041/2' FS115e21/2'e41/2'		948-396	<del> </del>
F5112e4'e5e2		1772-816-400	<del> </del>
FS 11 3 e 3 e 5		880.444	
FS 114021/2 041/2	<del> </del>	816.488	1
FS 11502 2'042	<del>  </del>	880-536	<del> </del>
/V L/ I		400	<del></del>
FS11604' FS11704'05' FS1180312'05'	<del> </del>	536	
FS 117e4 c5'	<del> </del>	588.444	<del></del>
FS 11 8031/25	1 -	588 · 444 816 · 444	
NWI+	<del>  ·</del>	400	
FS 119 c5'	+	444	<del> </del>
WW8	<del></del>	400	-
- y * W V	+		
	1		
	1		
	1		
	Ţ		
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 Com <sup>r</sup>

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# **Soil Profile**

			Date:	
	W0HE Fee Com 1			
Project Number:	15066 Latitude:	32.233468	Longitude:	-104.08525
South /ft h 1				
Depth (ft. bgs)	Coliche	De	scription	
1	anternamental production and the second control of the second cont	er 1945 er 1973 i 1964 i 1965 i 1965 i 1966 i 1966 i 1966 eribe (1966 eribe 1966 eribe 1966 eribe 1966 i 1966 i	MANAGEMANNER IN 1974 I 1974 IN 1974 I	parter (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964) (1964)
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,		<b>TABLE 1</b>		

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# Appendix C Photographic Log

**Photo Number:** 

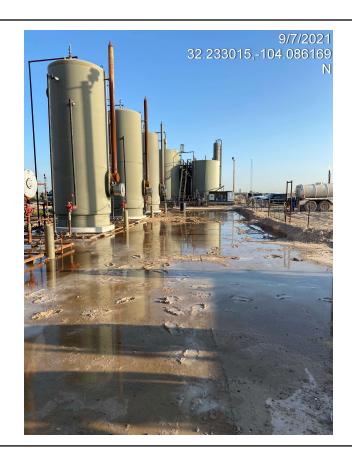
1

**Photo Direction:** 

North

**Photo Description:** 

View of the affected area (9/7/2021 Release)



**Photo Number:** 

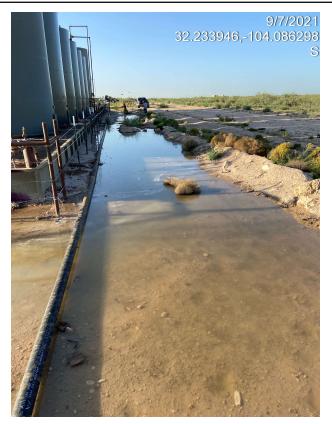
2

**Photo Direction:** 

South

**Photo Description:** 

View of the affected area (9/7/2021 Release)



**Photo Number:** 

3

Photo Direction:

North-Northeast

**Photo Description:** 

View of the affected area (12/24/2021 Release)



**Photo Number:** 

4

**Photo Direction:** 

Northeast

**Photo Description:** 

View of the affected area (12/24/2021 Release)



**Photo Number:** 

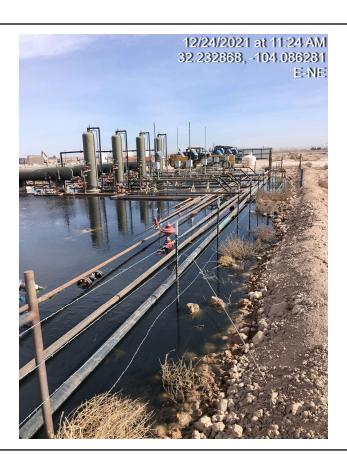
5

**Photo Direction:** 

East-Northeast

**Photo Description:** 

View of the affected area (12/24/2021 Release)



**Photo Number:** 

6

**Photo Direction:** 

North

**Photo Description:** 

View of the affected area (12/24/2021 Release)



**Photo Number:** 

7

**Photo Direction:** 

Northeast

**Photo Description:** 

View of the affected area (12/24/2021 Release)



**Photo Number:** 

8

**Photo Direction:** 

Southeast

**Photo Description:** 

View of the affected area (12/24/2021 Release)



**Photo Number:** 

9

**Photo Direction:** 

South

**Photo Description:** 



View of the excavated area

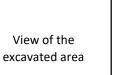
**Photo Number:** 

10

**Photo Direction:** 

North

**Photo Description:** 





**Photo Number:** 

11

**Photo Direction:** 

Southwest

**Photo Description:** 



View of the excavated area

**Photo Number:** 

12

**Photo Direction:** 

**East-Southeast** 

**Photo Description:** 

View of the excavated area



**Photo Number:** 

13

**Photo Direction:** 

Northeast

**Photo Description:** 

View of the excavated area



**Photo Number:** 

14

**Photo Direction:** 

Southwest

**Photo Description:** 

View of the excavated area



**Photo Number:** 

15

**Photo Direction:** 

Northwest

**Photo Description:** 

View of the excavated area



**Photo Number:** 

16

**Photo Direction:** 

South-Southwest

**Photo Description:** 

View of the excavated area



**Photo Number:** 

17

**Photo Direction:** 

Northeast

**Photo Description:** 

View of the remediated area after backfill and regrading



**Photo Number:** 

18

**Photo Direction:** 

Southeast

**Photo Description:** 

View of the remediated area after backfill and regrading



**Photo Number:** 

19

**Photo Direction:** North-Northeast

**Photo Description:** 

View of the remediated area after backfill and regrading



**Photo Number:** 

20

**Photo Direction:** 

Southeast

**Photo Description:** 

View of the remediated area after backfill and regrading



# Appendix D Laboratory Analytical Reports



January 28, 2022

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

RE: CHICAGO 9-8 W0HE FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 01/24/22 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil
Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

A .. . l. ... . d D. .. 311

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: NH 1 @ SURFACE (H220266-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	QR-03
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	QR-03
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	QR-03
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	48.0	16.0	01/26/2022	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	87.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.4	% 59.5-14	2						

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Celeg D. Frene



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Tamara Oldaker Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: NH 1 @ 1' (H220266-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2022	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	78.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.4	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: NH 2 @ SURFACE (H220266-03)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 01/27/2022	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	01/27/2022				•		Quamici
<0.050		, ,	ND	2.14	107	2.00	1.49	
	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
<0.300	0.300	01/27/2022	ND					
101	% 69.9-14	0						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
368	16.0	01/26/2022	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	01/27/2022	ND	204	102	200	1.48	
<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
<10.0	10.0	01/27/2022	ND					
78.0	% 66.9-13	6						
73.1	% 59.5-14	2						
	<0.050 <0.150 <0.300  1011 mg/ Result 368 mg/ Result <10.0 <10.0 <78.0	<0.050 0.050 <0.150 0.150 <0.300 0.300  101	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition:

\*\* (See Notes) Sample Received By: Tamara Oldaker Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: NH 2 @ 1' (H220266-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/26/2022	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	81.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.2	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: EH 1 @ SURFACE (H220266-05)

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	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	< 0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/26/2022	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	79.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.1	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: EH 1 @ 1' (H220266-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	82.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.5	% 59.5-14	22						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: EH 2 @ SURFACE (H220266-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	81.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.7	% 59.5-14	2						

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Celeg & Freene



#### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Tamara Oldaker Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: EH 2 @ 1' (H220266-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/26/2022	ND	432	108	400	7.69	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	82.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	76.2	% 59.5-14	2						

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Celey D. Keine



01/24/2022

Soil

#### Analytical Results For:

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

Received: 01/24/2022 Sampling Date: Reported: 01/28/2022 Sampling Type:

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: SH 1 @ SURFACE (H220266-09)

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	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/26/2022	ND	432	108	400	7.69	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	79.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.6	% 59.5-14	2						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil
Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\*(

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: SH 1 @ 1' (H220266-10)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	81.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.1	% 59.5-14	22						

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\*=Accredited Analyte

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: SH 2 @ SURFACE (H220266-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	11.3	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	80.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.1	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: SH 2 @ 1' (H220266-12)

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	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	75.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	69.5	% 59.5-14	12						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: WH 1 @ SURFACE (H220266-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	77.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.8	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: WH 1 @ 1' (H220266-14)

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	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	83.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.0	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: WH 2 @ SURFACE (H220266-15)

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	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	77.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.7	% 59.5-14	22						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: WH 2 @ 1' (H220266-16)

RTFY 8021R

Result <0.050 <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 01/27/2022 01/27/2022	Method Blank	BS 2.14	% Recovery	True Value QC	RPD	Qualifier
<0.050			ND	2.14	107			
	0.050	01/27/2022			107	2.00	1.49	
<0.050		31,27,2022	ND	2.26	113	2.00	0.507	
	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
<0.300	0.300	01/27/2022	ND					
103 9	% 69.9-14	0						
mg/	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	16.0	01/26/2022	ND	432	108	400	7.69	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	01/27/2022	ND	204	102	200	1.48	
<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
<10.0	10.0	01/27/2022	ND					
69.9	% 66.9-13	6						
60.8	% 59.5-14	2						
	<0.150 <0.300  103 9  mg/  Result  16.0  mg/  Result <10.0 <10.0 <69.9 9	<0.150 0.150 <0.300 0.300  103	<0.150	<0.150       01/27/2022       ND         103 % 69.9-140         69.9-140         Analyzed By: AC         Result Reporting Limit Analyzed Method Blank         16.0 16.0 01/26/2022 ND         Result Reporting Limit Analyzed Method Blank         <10.0 10.0 01/27/2022 ND	<0.150	<0.150       0.150       01/27/2022       ND       6.47       108         <0.300       0.300       01/27/2022       ND       6.47       108         103 %       69.9-140       ND       4       C         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery         16.0       16.0       01/26/2022       ND       432       108         Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery         <10.0	<0.150       0.150       01/27/2022       ND       6.47       108       6.00         103 ⋅ 300       01/27/2022       ND       6.47       108       6.00         103 ⋅ 300       01/27/2022       ND       ×	<0.150

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: SP 1 @ SURFACE (H220266-17)

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	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11800	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	102	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	79.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.4	% 59.5-14	2						

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Celey D. Keene



### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO NM

ma/ka

### Sample ID: SP 1 @ 1' (H220266-18)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 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	224	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	86.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.0	% 59.5-14	2						

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Celey D. Keine



### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: SP 2 @ SURFACE (H220266-19)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	11800	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	204	102	200	1.48	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	187	93.4	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	81.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.5	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

### Sample ID: SP 2 @ 1' (H220266-20)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.14	107	2.00	1.49	
Toluene*	<0.050	0.050	01/27/2022	ND	2.26	113	2.00	0.507	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.08	104	2.00	1.81	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.47	108	6.00	1.95	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	144	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	196	98.0	200	8.76	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	202	101	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	91.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.2	% 59.5-14	2						

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Celey D. Keine



### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: SP 3 @ SURFACE (H220266-21)

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	01/27/2022	ND	2.13	107	2.00	4.69	
Toluene*	<0.050	0.050	01/27/2022	ND	2.19	110	2.00	0.630	
Ethylbenzene*	< 0.050	0.050	01/27/2022	ND	2.06	103	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.44	107	6.00	2.61	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 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	560	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	196	98.0	200	8.76	
DRO >C10-C28*	19.3	10.0	01/27/2022	ND	202	101	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	77.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.3	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

### Sample ID: SP 3 @ 2' (H220266-22)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.13	107	2.00	4.69	
Toluene*	<0.050	0.050	01/27/2022	ND	2.19	110	2.00	0.630	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.06	103	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.44	107	6.00	2.61	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/26/2022	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	196	98.0	200	8.76	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	202	101	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	91.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.4	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: SP 4 @ SURFACE (H220266-23)

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	01/27/2022	ND	2.13	107	2.00	4.69	
Toluene*	<0.050	0.050	01/27/2022	ND	2.19	110	2.00	0.630	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.06	103	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.44	107	6.00	2.61	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	1440	16.0	01/26/2022	ND	432	108	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	01/27/2022	ND	196	98.0	200	8.76	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	202	101	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	95.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.0	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 01/24/2022 Sampling Date: 01/24/2022

Reported: 01/28/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FED COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

### Sample ID: SP 4 @ 3' (H220266-24)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2022	ND	2.13	107	2.00	4.69	
Toluene*	<0.050	0.050	01/27/2022	ND	2.19	110	2.00	0.630	
Ethylbenzene*	<0.050	0.050	01/27/2022	ND	2.06	103	2.00	1.56	
Total Xylenes*	<0.150	0.150	01/27/2022	ND	6.44	107	6.00	2.61	
Total BTEX	<0.300	0.300	01/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	160	16.0	01/26/2022	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	196	98.0	200	8.76	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	202	101	200	3.34	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	94.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.9	% 59.5-14	2						

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### **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

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Celeg D. Keene

## ARDINAL LABORATORIES

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

ompany Name	e: Etech Environmental & Safety Sole	utions, Inc.	P.O. #: ANALYSIS REQUEST								
roject Manage	er: Joel Lowry		P.O. #:		T	T	ANI	LYSIS	REQU	EST	
ddress: 261	17 West Mariand		Company &	Leutpune						T	T
ity: Hobbs	State: NM	Zip: 88240	Attn:		1				}		
hone #: (57	5) 264-9884 Fax #: -		Address:								1 1
roject #:  50	Project Own	er: Newbourne	City:								
roject Name: (	Chkago 9-8 woll Fed con		State:	Zip:	1	S S	a a				
	n: Rural Eddy co, wm		Phone #:	mop.	ride	015	(8021B)				
ampler Name:	Migue 1 Ramirez		Fax #:		Chloride	TPH (8015M)	× ×	1 1			
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	10	TP	втех				
		SMP S	-								
		(C)K ERS ATE TER									
Lab I.D.	Sample I.D.	NDW NDW	ASE OOL								
1226211		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE ICE / COOL								
1220266		- H - V - V		DATE TIME							
	NHI PSUFFICE	G X	X	1/24/2	X	X	Y				
3	NHI QI'	1111			11	1	1				
U	NHZ@Surfae NHZ@I'	+1111	-		H	+	-				
5	EHIQsurfue	+1111			H	-					
6	EHIDI'	11111			$\vdash$	+	1				
5	EH2@Surfea					+	1				
8	EHZ@I'					1	1				
91	Ke SHI@surface					11	11				
10	SHI@1'	44	ct or lort, shall be limpled to	V	V	V	V				

Released to Imaging: 2/9/2023 8:09:40 AM

# ardi

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES

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

Company Name	e: Etech Environmental & Safety Sol	utions, Inc.	BI	LL TO		ANALYSIS REQUEST		
Project Manage	er: Joel Lowry		P.O. #:					
Address: 26	-		Company M	lewbourne				
City: Hobbs	State: NM	Zip: 88240	Attn:		1			
Phone #: (57	5) 264-9884 Fax #:		Address:		1			
Project #: 150	6 Project Own	er: Menbourre	City:					
			1	Zip:	-	Ê	(B)	
Project Location	Chicago q. & WOHE FO	ed com		Chloride	015	(8021B)		
Sampler Name:	44.4		Phone #:			TPH (8015M)	×	
FOR LAB USE ONLY	The state of the s	MATRIX	Fax #:	10	19	BTEX		
POR DAD USE ONLY		1 . 1	THE SERVE	SAMPLING			ш	
		C)OMP ERS ATER						
Lab I.D.	Sample I.D.	G)RAB OR (C)C CONTAINERS SROUNDWATE VASTEWATER SOIL	<u> </u>					
		OND TEW	RAN COC					
4220266		(G)RAB OR (C # CONTAINER GROUNDWAT WASTEWATEI SOIL	OTHER: ACID/BASE ICE / COOL OTHER:	DATE TIME				
CAZACIANO C	5H2@ confee	GIX	X	1/24/22	X	X	X	
12	5H2@surface 5H2@1'	1111	1	1	1	,		
13	WH 1@ Surfere	1111	1 1					
14	WH 1@ SUFFER		111					
15	WH 20 Surface							
16	WHZQI'	7/11/1						
17	SPI @ Surface		1 1 1					
18	SPIRI	7/11						
19	SP2 @ surface	7)]]						
20	58201'	W V	1		W	1	Y	
EASE NOTE: Liability or	nd Damages Cardinal's liability and client's entitualive remedy for ing those for negligence and any other cause whotsoever shall be	any claim tribing whether based in contract common waterful unions made in wilding a	or tort, shall be limbed to	the amount paid by the chent for hin 30 days after consistion of 8	life or applicat	tile		
irvice in no event shall C	administ be finate for incidental or consequental damages, including out of or related to the performance of services hereunder by	ng without limitation, cusiness interruptions,	, loss of use, or toss of prof	its incurred by chemi, its subtodist	iles,			
Relinguished B		D	000	Phone Re	sult:	O Ye		
Mhs		Paulara	What	Fax Resul		☐ Ye	ร ผก	No Add'i Fax #:
Relinquished B	l Purisis	Received By:	esce car	Stan	do	1		
territarionea D	//			1 300	M.C.C.			
	Time:	-6		Please e	mail c	ору о	f COC a	and results to pm@etechenv.com.
Delivered By:			Unitia					
Sampler - UPS	- Bus - Other: 23.3	c #112 Li Yes Li Ye	s VO					
	- Bus - Other: 33.3	C #1/3 No No	(Initia	D BY:	i i idui C	opy 0		ана гезина во риншенеснену.сотн.

# AR B

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES

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

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Joel Lowry  Address: 2617 West Marland  City: Hobbs State: NM Zip: 88240  Phone #: (575) 264-9884 Fax #:  Project #: 15066 Project Owner: Westfource  Project Name: CWCogo 9.8 Woff Fad Com I  Project Location: Rural Eddy Co, NM  Sampler Name: Miguel Ramine	P.O. #: Company WWOOVNOV  Attn: Address: , City: State: Zip: Phone #: Fax #:	Chloride TPH (8015M) BTEX (8021B)
FOR LAB USE ONLY  Lab I.D. Sample I.D.  #2001 SPAR Surface  SP4 & Surface  SP4 & Surface  SP4 & Surface  OIL  OIL  OIL  TO MASTER ONLY  A SURFACE  OIL  OIL  TO MASTER ONLY  T	PRESERV. SAMPLING  OTHER:  OTHER:  ACIDIBASE:  OTHER:  ACIDIBASE:	X X X
PLEASE NOTE: Labelity and Damages. Cardinal's liability and clients acticalize remedy for any claims arising whether based in constitutives. All clients including those for negligation and days other cause withingover shall be determed without without without an action with the provides and the provides and cardinal be liable for incidental or consequential disseques, including without limitation, business interrupt intinates or successors arising fluid of or retained to the performance of services hierarchically of Cardinal, regardless of whether such in the performance of services hierarchically applied by:    Date:   Received By:	tig and received by Cardinal within 30 days after completion of tribine, loss of use, or loss of profile incurred by chem, its subsidiar came is bested upon any of the above stated resistant restriction of the came is bested upon any of the above stated resistant restriction of the came is bested upon any of the above stated resistant restriction of the came is bested upon any of the above stated resistant restriction.  Phone Reference of the came is the cam	ne applicable files, m. sult:   Yes   No Add'l Phone #: It:   Yes   No Add'l Fax #:



April 29, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 16:48.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Applyand By MC/

Received: 04/26/2022 Reported: 04/29/2022

CHICAGO 9-8 WOHE FEE COM 1

Project Name: CHICA Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: FL 1 @ 11 (H221717-01)

DTEV 0021D

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	04/28/2022	ND	2.05	103	2.00	0.293	
Toluene*	<0.050	0.050	04/28/2022	ND	2.04	102	2.00	0.237	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.3	2.00	1.04	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.96	99.3	6.00	2.13	
Total BTEX	<0.300	0.300	04/28/2022	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	544	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	93.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.3	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

Received: 04/26/2022 Reported: 04/29/2022 Sampling Date: 04/26/2022 Sampling Type: Soil

Project Name:

CHICAGO 9-8 W0HE FEE COM 1 Sampling Condit

Sampling Condition: Sample Received By: \*\* (See Notes)
Shalyn Rodriguez

Project Number: Project Location:

MEWBOURNE - EDDY CO NM

15066

### Sample ID: FL 2 @ 11 (H221717-02)

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	04/28/2022	ND	2.05	103	2.00	0.293	
Toluene*	<0.050	0.050	04/28/2022	ND	2.04	102	2.00	0.237	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.3	2.00	1.04	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.96	99.3	6.00	2.13	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	99.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.3	% 59.5-14	2						

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\*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Analyzed By: MS/

Sampling Date:

04/26/2022

Reported:

Received:

BTEX 8021B

04/26/2022 04/29/2022

Sampling Type:

Soil

Project Name:

CHICAGO 9-8 W0HE FEE COM 1

mg/kg

Sampling Condition: Sample Received By: \*\* (See Notes)

Shalyn Rodriguez

Project Number:

15066

MEWBOURNE - EDDY CO NM

Project Location:

### Sample ID: FL 3 @ 11 (H221717-03)

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.05	103	2.00	0.293	
Toluene*	<0.050	0.050	04/28/2022	ND	2.04	102	2.00	0.237	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.93	96.3	2.00	1.04	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.96	99.3	6.00	2.13	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	464	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	118	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	132	% 59.5-14	2						

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\*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Analyzed By: JH

Received: 04/26/2022 Reported: 04/29/2022 Sampling Date: 04/26/2022 Sampling Type: Soil

Project Name:

BTEX 8021B

CHICAGO 9-8 WOHE FEE COM 1

mg/kg

Sampling Condition: \*\* (See Notes)

Project Number: 15066

Sample Received By:

Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: FL 4 @ 9 (H221717-04)

DILX GOZID	iiig/	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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Celey D. Kreine



### Analytical Results For:

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

Fax To:

Received: 04/26/2022 Sampling Date: 04/26/2022 Reported: 04/29/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Shalyn Rodriguez Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: FL 5 @ 9 (H221717-05)

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	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	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	208	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	118 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	137 %	6 59.5-14	2						

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Celey D. Keine



### Analytical Results For:

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

Analyzed By: JH

Received: 04/26/2022 Reported: 04/29/2022

 04/26/2022
 Sampling Date:
 04/26/2022

 04/29/2022
 Sampling Type:
 Soil

Project Name: CHICA Project Number: 15066

CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)
15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

### Sample ID: FL 6 @ 9 (H221717-06)

BTEX 8021B

DIEX GOZID	ıııg,	Kg .	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	672	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	110 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	126 9	% 59.5-14.	2						

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Celey D. Keine



### Analytical Results For:

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

Fax To:

Received: 04/26/2022 Sampling Date: 04/26/2022 Reported: 04/29/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: FL 7 @ 11 (H221717-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Analyte Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	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	304	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	121 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	143 %	6 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Fax To:

 Received:
 04/26/2022
 Sampling Date:
 04/26/2022

 Reported:
 04/29/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

### Sample ID: FL 8 @ 11 (H221717-08)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500CI-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	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	122	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	143	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

 Received:
 04/26/2022
 Sampling Date:
 04/26/2022

 Reported:
 04/29/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

### Sample ID: FL 9 @ 11 (H221717-09)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	113 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	133	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

 Received:
 04/26/2022
 Sampling Date:
 04/26/2022

 Reported:
 04/29/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: FL 11 @ 12 (H221717-10)

BTEX 8021B

	91	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: GM					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	119 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	139 9	% 59.5-14.	2						

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### Analytical Results For:

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

Fax To:

 Received:
 04/26/2022
 Sampling Date:
 04/26/2022

 Reported:
 04/29/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO NM

### Sample ID: FL 12 @ 12 (H221717-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Analyte Result Reportin		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	116	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	136	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

 Received:
 04/26/2022
 Sampling Date:
 04/26/2022

 Reported:
 04/29/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

### Sample ID: SW 1 (H221717-12)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 04/26/2022 Sampling Date: 04/26/2022

Reported: 04/29/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO NM

ma/ka

### Sample ID: WW 1 (H221717-13)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Analyte Result Repo		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	121	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	142	% 59.5-14	2						

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### Analytical Results For:

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

Fax To:

Received: 04/26/2022 Sampling Date: 04/26/2022

Reported: 04/29/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO NM

ma/ka

### Sample ID: EW 1 (H221717-14)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTEX	<0.300	0.300	04/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Analyte Result		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.2	200	2.69	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	212	106	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	117	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	139	% 59.5-14	2						

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### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Page 17 of 18

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environmental & Safety Solu	tions	s, In	C.		BILL TO ANALYSIS REQUEST																					
Project Manage	": Joel Lowky							P.O	. #:																		
Address: P.O								Cor	npa	ny: [	E	tec	h														
City: Lovingto	on State: NM	Zip	: 88	260	)			Attr	n:																		
Phone #: (57	5) 396-2378 Fax #: (575) 3	396-	1429	)				Add	ires	s:								1							- 1		
Project #:	Project Owne	F:						City	r. l	tobl	65				_	1		- 1	- 1								
Project Name:		Feel	2 (	COU	11			Sta	te:/	114	Zip:	:882	40	9	TPH (8015M)	1 3	DIEA (OUZIB)										
Project Location								Pho	one i	1:43	200	446	1450	Chloride	801	0,0	0										
Sampler Name:	Dominic Casava?	_						Fax						등	표	1	Š				1				- 1		
FOR LAB USE ONLY		Τ.	Г	F	N	ATRI	X		PRES	SERV.	S	SAMPLIN	4G		F	1	0		- 1					- 1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	0	DATE	TIME		1												
	FLI @U					1								1									-	_			
2	FL2@11	1	L	L		1								1	1	1		-	-	_	-	+	+	-	-		
3	FL 3 @11	1	1	1	1		-		-	+-	$\vdash$	_		-	11	+	1	-	-		-	+	+	+	$\rightarrow$		-
4	FL 409	+	┞	╀			-	$\dashv$	+	+	-	-		-	<del>                                     </del>	+	+	+	-	_	-	+	+	+	-	-	
5	FL 5@ 9	╀	╀	╀	H	1	$\vdash$	$\dashv$		+		-		-	+	Н	+	+	-	_	-	+	+	+	-		
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	nd Damages, Cardinal's liability and client's exclusive remedy for ng those for negligence and any other cause whatsoever shall be										to the a	amount paid 0 days after	by the client for completion of t	r the he applica	ible												

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substilla affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise

Relinguished By:	Date:	Received By:		Phone Result:	☐ Yes	□ No	Add'I Phone #:	
D .1-	4-21002			Fax Result:	☐ Yes	□ No	Add'i Fax #:	
()-och	Time:	Stadleic	MION	REMARKS:				
Relinquished By:	Date:	Received By:	1000					
	Time:			Please email	results to	o pm@e	techenv.com.	
Delivered By: (Circle One) 2 4	22 )C-0	Sample Condition	CHECKED BY: (Initials)			,		
Sampler - UPS - Bus - Other;	13.80 #1	Yes Yes	AL.					

FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM

Page 18 of 18

# ARDINAL LABORATORIES

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	e: Etech Environmental & Safety Solution	ions, Inc.	BILL TO			ANALYSIS REQUES	ST
Project Manage	er: Joel Lowky		P.O. #:				
Address: P.0			Company: Etel	h			
City: Lovings	ton State: NM	<b>Zip:</b> 88260	Attn:				
Phone #: (57	75) 396-2378 Fax #: (575) 3	96-1429	Address:				
Project #:	Project Owner		city: Hopps				
Project Name:	Chicago 9-8 Wo	He teccom!	State: NM Zip: 892 Phone #: 432 446	40 9	TPH (8015M)		
Project Location	on: Aural Loving 1 : Dominic Casave		Phone #: 432 446	4450 CHIONIDE	(80		
Sampler Name	: Dominic Casave		Fax #:	5	품   X		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLI	NG	- m		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL ÖIL	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME			
BIL	FL12@12				1//		
12	5W1	1			///		
13	WW	//			1/1		
14	EWI			/	/ /		
					-		
						<del>-   -   -   -   -   -   -   -   -   -  </del>	
analyses. All claims includes annice. In no event shall (	and Demeges, Cardina's Sability and client's exclusive remedy for a sing those for negligence and any other cause whatsoever shall be Cardinal be Sable for incidental or consequental damages, including aing out of or related to the performance of services hereunder by Cay:  Date:	deemed waived unless made in writing a political limitation, business interruptions	nd received by Cardinal within 30 days after, toss of use, or loss of profits incurred by o	r completion of the applicable dent, its subsidiaries,	Yes No		
Dur	Time: US	North?	OLL OLD	REMARKS:	LI TES LI NIC	PARALLE GA TO	
Relinquished E	Date:	Received By:	C/CCC	Please email re	esults to nm@	etechenv.com.	
Delivered By Sampler - UPS	r: (Circle One) 24.2° ) C- O. 6 - Bus - Other: 33.8° #	Sample Condi Cool Intact	(Initials)	ricase email re	oute to pring	parametricolli.	

FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM



May 04, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 04/29/22 16:08.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



04/29/2022

Soil

#### Analytical Results For:

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

Received: 04/29/2022 Sampling Date: Reported: 05/04/2022 Sampling Type:

ma/ka

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 6 @ 10' (H221792-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/03/2022	ND	416	104	400	3.77	

Analyzed By: MS/

#### Sample ID: EW 2 (H221792-02)

RTFY 8021R

BIEX 0021B	ilig/	NY .	Allalyze	u by. Mo/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 66.9-136

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions

JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

59.5-142

Received: 04/29/2022 Sampling Date: 04/28/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

98.8 %

#### Sample ID: EW 2 (H221792-02)

Surrogate: 1-Chlorooctadecane

TPH 8015M mg/kg Analyzed By: MS

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Shalyn Rodriguez Project Number: 15066

MEWBOURNE - EDDY CO NM Project Location:

#### Sample ID: WW 2 (H221792-03)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	92.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.4	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/28/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 10 @ 11' (H221792-04)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	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	336	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	83.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.5	% 59.5-14	22						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/28/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 16 @ 12' (H221792-05)

BTEX 8021B	mg	/kg	Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	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	448	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	97.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.6	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Received: 04/29/2022 Reported: 05/04/2022 Sampling Date: 04/29/2022 Sampling Type: Soil

Project Name:

CHICAGO 9-8 W0HE FEE COM 1

Sampling Condition: \*\* (See Notes)

Project Number:

15066

Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 17 @ 11' (H221792-06)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	99.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.7	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Received: 04/29/2022 Reported:

05/04/2022 CHICAGO 9-8 W0HE FEE COM 1

Project Name: Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM Sampling Date: 04/28/2022

Sampling Type: Soil

Sampling Condition: \*\* (See Notes) Sample Received By: Shalyn Rodriguez

#### Sample ID: FS 18 @ 11' (H221792-07)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	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	560	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	93.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.4	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 19 @ 8' (H221792-08)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	94.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.9	% 59.5-14	22						

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#### Analytical Results For:

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

Applyzod By: MC/

Received: 04/29/2022 Reported: 05/04/2022 Sampling Date: 04/29/2022 Sampling Type: Soil

Project Name:

RTFY 8021R

CHICAGO 9-8 WOHE FEE COM 1

Sampling Condition: \*\* (See Notes)

Project Number:

15066

Sample Received By:

Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 20 @ 7' (H221792-09)

BIEX 8021B	mg	/кд	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	ride, SM4500Cl-B mg/kg			d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	98.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100	% 59.5-14	2						

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Sample Received By:

04/29/2022

Shalyn Rodriguez

#### Analytical Results For:

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

Received: 04/29/2022 Sampling Date:

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 21 @ 7' (H221792-10)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	loride, SM4500Cl-B mg/kg			d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	94.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.3	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 22 @ 8' (H221792-11)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	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	544	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	95.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.2	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 23 @ 7' (H221792-12)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil
Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: MS/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 24 @ 7' (H221792-13)

BTEX 8021B

BIEX 8021B	mg/	кg	Anaiyze	а ву: мэ/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	< 0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-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	05/03/2022	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	05/02/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	100	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 25 @ 7' (H221792-14)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/03/2022	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	05/03/2022	ND	212	106	200	5.26	
DRO >C10-C28*	<10.0	10.0	05/03/2022	ND	216	108	200	6.00	
EXT DRO >C28-C36	<10.0	10.0	05/03/2022	ND					
Surrogate: 1-Chlorooctane	97.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.3	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 26 @ 7' (H221792-15)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-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	05/03/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	119 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	136 9	59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 04/29/2022 Sampling Date: 04/29/2022

Reported: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 27 @ 7' (H221792-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/03/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	105	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

 Received:
 04/29/2022
 Sampling Date:
 04/29/2022

 Reported:
 05/04/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 28 @ 7' (H221792-17)

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	05/02/2022	ND	1.95	97.7	2.00	6.05	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.1	2.00	5.75	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.84	91.8	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	5.70	
Total BTEX	<0.300	0.300	05/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/03/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	123	% 59.5-14	12						

#### Cardinal Laboratories \*=Accredited Analyte

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Celeg & Frence



#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Company Name	: Etech Environmental & Safety Solu		, In				33		814	LTO	1				ANALYSIS REQUEST
Project Manage	r: Lance Creashaw					1	.0.1	k:							
Address: 261						0	omp	any	Ma	e who ur	10				
City: Hobbs	State: NM	Zip	: 88	240		1	ttn:	R.L	lie	Runel	S				
Phone #: (57	5) 264-9884 Fax #:					1					SPark Blad				
Project #: 15	Chicago 9-8 NOHE Fee n: Manbourne Oil Compan Eric Mojica	r: R	11.	P	10	1	ity:	HAL	10	porte	JUL IV				
Project Name: /	Clin 9-8 LIAHE FOR	1	1	H	12		tota.	NI	M.	Zip: 882	40		Î	<u>@</u>	
Project Location	or M I All	LON	1	11			-		1 4	CIP: 000	10	Chloride	TPH (8015M)	3TEX (8021B)	
Sampler Name:	E al	y				- [	hone					Plo	8	×	
FOR LAB USE ONLY	Eric Mojica	_		MA	TRI	- 1	ax #	ESE	DVI	SAMPLI	NC.	O	흔	1	
Lab I.D.	Sample I.D.	OR (C)OMP.	INERS	~			úi								
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2	EW2	C	1	1				1		4-28-22		1	1	1	
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9	FS 10ell	C	1	1	L		-	1	1	1.28.22	4	1	V	1	
5	FS 16012	C	1	1			$\perp$	1		128.22	-	1	1	1	
4	FS17011	C	1	1			1	1		29-22		1	1	1	
7	FS 18011	C	1	1				1		28.22		V	1	V	
8	FS 19@8	C	1	1		1		1	1	-29-22		V	V	1	
9	F\$ 20e7	C	1	1				1		>		1	1	1	
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mnalyses. All claims includir service. In no event shall Ci	Not Time: 1008	g without Re	d walve et fimits regar	id unless made it sion, business int	n writin	ng and re ions, loss	of use,	y Cardii or loss (	nal with of profi	nin 30 days after its incurred by cl above stated rea	completion of the lent, its subsidient sons or otherwise Phone Res Fax Result REMARKS	e applications, e suit: t:	☐ Ye	s D	□ No   Add'l Phone #: □ No   Add'l Fax #: □ copy of CoC to pm@etechenv.com.
Delivered By: Sampler - UPS	(Circle One) 11.56 C-D - Bus - Other: 11.00 #	.5	2	Sample Cool Yes	Inta	ct			CKE	DBY:	0000 01		ourte	and (	sopy of ood to pringetoutony, com.

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

Released to Imaging: 2/9/2023 8:09:40 AM

No Rush

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	(575) 393-2326 FAX	( (575) 393-24	76																0	1					
	Etech Environmental		ons,	Inc						1	3][	L TO						ANA	LYSI	SR	EQUE	ST			
Project Manager:	Lance Crenst	IAW						P	.0. #									T							
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City: Hobbs		State: NM	Zip:	882	240			A	ttn:	Pob	bie	Runnel	3											- 1	
Phone #: (575) 2	64-9884	Fax #:						A	ddre	ss: 4	1801	Brings	Port Bled												
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FOR LAB USE ONLY	7.00					MA	TRIX		_	ESEF	RV.	SAMPLI	NG	ľ	₽	BT				1		1		- 1	
Lab I.D.	Sample I.I	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
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14 F	S2507'		C	1		1				1		/		1	1	V									
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analyses. All claims including the service. In no event shall Cardin	at be flable for incidental or consequent of or related to the performance of	me whatsoover shall be de ental damages, including t	nemed without rdinal,	regard Celv	d unless ion, busi	made in whether y:	writing erruption	and rec s, loss	of use, o	Cardio or loss o	nal with of profi	ain 30 days after its incurred by o	r completion of II Beat, its subsidier	no applicat rios, se. sult: lt:	Ye		No No		Phone Fax #:	#:					
Delivered By: (0 Sampler - UPS - I	Circle One) 11.58		53	2	C	loc	Intact	ondition   CHECKED BY:				Please e	mail r	esults	and	сору	of Co	C to p	m@e	techen	v.com.				

FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM



May 10, 2022

JOEL LOWRY
Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS, NM 88240

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/03/22 16:13.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 05/03/2022 Reported: 05/10/2022

CHICAGO 9-8 WOHE FEE COM 1

Project Name: CHICA Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/03/2022

Sampling Type: Soil

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

#### Sample ID: EW 3 (H221851-01)

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	05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	6.43	107	6.00	1.22	
Total BTEX	<0.300	0.300	05/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	208	16.0	05/06/2022	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	05/10/2022	ND	198	98.8	200	5.89	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	207	104	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	92.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.4	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: WW 3 (H221851-02)

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	05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	6.43	107	6.00	1.22	
Total BTEX	<0.300	0.300	05/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/06/2022	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	05/06/2022	ND	198	98.8	200	5.89	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	207	104	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	75.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.2	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 29 @ 7' (H221851-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	6.43	107	6.00	1.22	
Total BTEX	<0.300	0.300	05/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	224	16.0	05/06/2022	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	05/06/2022	ND	198	98.8	200	5.89	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	207	104	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	82.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.4	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: Sample Received By: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 30 @ 7' (H221851-04)

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	05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	6.43	107	6.00	1.22	
Total BTEX	<0.300	0.300	05/08/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 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	352	16.0	05/06/2022	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	05/06/2022	ND	198	98.8	200	5.89	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	207	104	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	78.7 % 66.9-13		6						
Surrogate: 1-Chlorooctadecane	83.5	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 31 @ 7' (H221851-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	* <0.050 0.050		05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150 0.150		05/08/2022	2 ND 6.		107	6.00	1.22	
Total BTEX	<0.300 0.300		05/08/2022 ND						
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/06/2022	05/06/2022 ND		104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	198	98.8	200	5.89	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	207	104	200	5.77	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	87.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.6	% 59.5-14	2						

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Celeg & Freene



#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 32 @ 7' (H221851-06)

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	05/08/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050 0.050		05/08/2022	ND	2.14	107	2.00	1.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	2.08	104	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	6.43	107	6.00	1.22	
Total BTEX	<0.300 0.300		05/08/2022 ND						
Surrogate: 4-Bromofluorobenzene (PID	101 9	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	464	16.0	05/06/2022	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	05/06/2022	ND	220	110	200	8.45	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	209	105	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	89.8 % 66.9-13		6						
Surrogate: 1-Chlorooctadecane	93.5	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Analyzed By: MS\

Received: 05/03/2022

Sampling Date:

05/03/2022

Reported:

05/10/2022

Sampling Type:

Soil

Project Name:

BTEX 8021B

CHICAGO 9-8 WOHE FEE COM 1

Sampling Condition:

Cool & Intact

Project Number:

15066

Sample Received By:

Tamara Oldaker

Project Location:

MEWBOURNE - EDDY CO NM

#### Sample ID: FS 33 @ 7' (H221851-07)

	9,	9	7	7: : : • (					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050		0.050 05/05/2022		ND 2.13		2.00	2.91	
Toluene*	<0.050	0.050	05/05/2022	ND	2.12	106	2.00	2.80	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.08	104	104 2.00		
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.42	107	6.00	3.34	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/06/2022 ND		416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	220	110	200	8.45	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	209	105	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	91.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.6	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 34 @ 7' (H221851-08)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	* <0.050 0.050		05/06/2022	ND	2.26	113	2.00	10.6	
Toluene*	<0.050	0.050	05/06/2022	ND	2.23	112	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.18	109	2.00	10.7	
Total Xylenes*	<0.150 0.150		05/06/2022	ND	6.72	112	6.00	9.79	
Total BTEX	<0.300 0.300		05/06/2022 ND						
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/06/2022 ND		416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	220	110	200	8.45	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	209	105	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	91.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.3	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 35 @ 7' (H221851-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	e* <0.050 0.050		05/06/2022 ND		2.26	113	2.00	10.6	
Toluene*	<0.050	0.050	05/06/2022	ND	2.23	112	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.18	109	2.00	10.7	
Total Xylenes*	<0.150	0.150	05/06/2022	ND	6.72	112	6.00	9.79	
Total BTEX	<0.300 0.300		05/06/2022 ND						
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 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	688	16.0	05/06/2022	05/06/2022 ND		104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	220	110	200	8.45	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	209	105	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	85.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.4	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/03/2022 Sampling Date: 05/03/2022

Reported: 05/10/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 36 @ 7' (H221851-10)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		05/06/2022	ND	2.26	113	2.00	10.6	
Toluene*	<0.050	0.050	05/06/2022	ND	2.23	112	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/06/2022	ND	2.18	109	2.00	10.7	
Total Xylenes*	<0.150 0.150		05/06/2022	ND 6.7		112	6.00	9.79	
Total BTEX	<0.300 0.300		05/06/2022	05/06/2022 ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/06/2022	05/06/2022 ND		104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2022	ND	220	110	200	8.45	
DRO >C10-C28*	<10.0	10.0	05/06/2022	ND	209	105	200	6.10	
EXT DRO >C28-C36	<10.0	10.0	05/06/2022	ND					
Surrogate: 1-Chlorooctane	81.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.9	% 59.5-14	2						

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Page 13 of 13

No Rush

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

MUINA	L LAD	UKAI	JKI	ES
101 East	Marland,	Hobbs,	NM	88240

Company Name	: Etech Environmental & Safety Sol		s, In	C.			B	ILL TO					ANALYSIS	REQUEST
Project Manage	r. Lance Creashaw					P.O.	#:							
	7 W Marland					Com	pany /	lewbou	ne	1				
City: Hobbs	State: NM	Zip	: 88	3240		Attn:	Robb.	e Run	nels	1				
Phone #: (57	5) 264-9884 Fax #:			Addres				Address. 480 Business P. K. Blod						
Project #:   5866 Project Owner: Robbie Rungels				City: Hobbs										
Project Name: (	Chicago 9-8 WOHE For	ee Com IH				State	·NM	Zip: 8	8240		(W)	18)		
Project Location	Chicago 9-8 WOHE Fee Membourne Oil Comp	2001	1				e#: ~			흔	301	805		
Sampler Name:	Eric Moica	~	1			Fax il				Chloride	<b>TPH (8015M)</b>	BTEX (8021B)		
FOR LAB USE ONLY	7.0	T	T	MATE	SIX	-	RESERV	SAMP	JNG	1	르	E		
<b>Lab I.D.</b> H221851	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	SLUDGE	OTHER:	ICE / COCK	DATE	TIME					
1	EW3	C	I	1		$\top$	1	5.3.22		1	1	1		
Z	WW3	C	1	1			1			1	V	1		
3	FS 2907	C	1	1			1			1	1	1		
4	FS30e7'	C	1	1			1			1	1	1		
5	FS 3107	C	1	1			V			1	1	1		
6	FS 32e7'	C	1	√			1	/		1	1	1		
7	FS 3367'	C	1	1			V			V	/	1		
8	FS34e7	C	1	1			1	/		1	1	1		
9	FS 35e7	C	11	J			1			V	/	1		
/O PLEASE NOTE: Liability an	FS3667* d Damages. Cardinal's liability and client's exclusive remedy to	C	Ц	√			V			V	V	V		
analyses. All claims including service. In no event shall Confillates or successors artist Relinquished By Law Market Relinquished By Relinquished By	g those for negligence and any other cause whatever shall is utilized to liable for incidental or consequential damages, include gout of or related to the performance of services hereunder by:    Date:	ne deeme	d wait at limit i, rega	red unless mede in v lation, business inter	etting and uptions, k	received ses of use	by Cardinal , or loss of	within 30 days at credit incurred by	ler completion of the client, the subsidier reasons or otherwin Phone Re-Fax Resul REMARKS	suft:	☐ Ye	s 🔲		
Delivered By: Sampler - UPS	(Circle One) 6.5° C- Bus - Other: 6.0°	#		Cool In	tact	_	(In	KED BY:						

FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM

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



May 11, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/05/22 15:38.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND

HOBBS NM, 88240 Fax To:

 Received:
 05/05/2022
 Sampling Date:
 05/05/2022

 Reported:
 05/11/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

Sample ID: EW 2 A (H221909-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Analyte Result Chloride 352 16.0 05/10/2022 ND 416 104 400 0.00

Sample ID: WW 2 A (H221909-02)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 320 16.0 05/10/2022 ND 416 104 400 0.00

Sample ID: FS 17 @ 19' (H221909-03)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 448 16.0 05/10/2022 ND 400 0.00 416 104

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Celey D. Kreene



#### Analytical Results For:

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

Fax To:

Received: 05/05/2022 Sampling Date: 05/05/2022

Reported: 05/11/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: EW 4 (H221909-04)

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	05/10/2022	ND	2.05	103	2.00	0.697	
Toluene*	<0.050	0.050	05/10/2022	ND	2.03	101	2.00	0.736	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.92	95.8	2.00	1.15	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.01	100	6.00	2.03	
Total BTEX	<0.300	0.300	05/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/10/2022	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	05/10/2022	ND	191	95.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	199	99.6	200	6.13	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	81.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.2	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/05/2022 Sampling Date: 05/05/2022

Reported: 05/11/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: WW 4 (H221909-05)

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	05/10/2022	ND	2.05	103	2.00	0.697	
Toluene*	<0.050	0.050	05/10/2022	ND	2.03	101	2.00	0.736	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.92	95.8	2.00	1.15	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.01	100	6.00	2.03	
Total BTEX	<0.300	0.300	05/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/10/2022	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	05/10/2022	ND	191	95.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	199	99.6	200	6.13	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	85.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.9	% 59.5-14	22						

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Celey D. Kreine



#### Analytical Results For:

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

Fax To:

Received: 05/05/2022 Sampling Date: 05/04/2022

Reported: 05/11/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: MS/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 37 @ 7' (H221909-06)

BTEX 8021B

	9,	9	7	1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2022	ND	2.05	103	2.00	0.697	
Toluene*	<0.050	0.050	05/10/2022	ND	2.03	101	2.00	0.736	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.92	95.8	2.00	1.15	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.01	100	6.00	2.03	
Total BTEX	<0.300	0.300	05/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500CI-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	05/10/2022	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	05/10/2022	ND	191	95.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	199	99.6	200	6.13	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	73.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.1	% 59.5-14	2						

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Celey D. Keene



Sample Received By:

05/04/2022

Cool & Intact

Shalyn Rodriguez

Soil

#### Analytical Results For:

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

Received: 05/05/2022 Sampling Date: Reported: 05/11/2022 Sampling Type:

Reported: 05/11/2022 Sampling Type:
Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition:

Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 38 @ 7' (H221909-07)

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	05/10/2022	ND	2.05	103	2.00	0.697	
Toluene*	<0.050	0.050	05/10/2022	ND	2.03	101	2.00	0.736	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.92	95.8	2.00	1.15	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.01	100	6.00	2.03	
Total BTEX	<0.300	0.300	05/10/2022	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	304	16.0	05/10/2022	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	05/10/2022	ND	191	95.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	199	99.6	200	6.13	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	80.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.1	% 59.5-14	2						

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Celey D. Kreine



#### Analytical Results For:

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

Received: 05/05/2022 Reported: 05/11/2022

Project Name: CHICAGO 9-8 W0HE FEE COM 1
Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/04/2022

Sampling Type: Soil

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

#### Sample ID: FS 39 @ 7' (H221909-08)

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	05/10/2022	ND	2.05	103	2.00	0.697	
Toluene*	<0.050	0.050	05/10/2022	ND	2.03	101	2.00	0.736	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.92	95.8	2.00	1.15	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.01	100	6.00	2.03	
Total BTEX	<0.300	0.300	05/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/10/2022	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	05/10/2022	ND	191	95.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	199	99.6	200	6.13	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	82.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.2	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Received: 05/05/2022 Reported: 05/11/2022 Sampling Date: 05/04/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 40 @ 7' (H221909-09)

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	05/10/2022	ND	2.05	103	2.00	0.697	
Toluene*	<0.050	0.050	05/10/2022	ND	2.03	101	2.00	0.736	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.92	95.8	2.00	1.15	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.01	100	6.00	2.03	
Total BTEX	<0.300	0.300	05/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-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	05/10/2022	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	05/10/2022	ND	191	95.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	199	99.6	200	6.13	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	81.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.2	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/05/2022 Sampling Date: 05/04/2022

Reported: 05/11/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 41 @ 7' (H221909-10)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2022	ND	2.05	103	2.00	0.697	
Toluene*	<0.050	0.050	05/10/2022	ND	2.03	101	2.00	0.736	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.92	95.8	2.00	1.15	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.01	100	6.00	2.03	
Total BTEX	<0.300	0.300	05/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/10/2022	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	05/10/2022	ND	191	95.7	200	3.78	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	199	99.6	200	6.13	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					
Surrogate: 1-Chlorooctane	85.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.9	% 59.5-14	2						

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Celey D. Keene



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene

# NoRush

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Etech Environmental & Safety Solu	iions	, In	C.			L	3/1	LTO						ANA	LYS	IS R	EQU	EST				
Project Manage	r: Lance Crenshaw					0. #:								T		T	T	T	T	T	T	T	
Address: 261					C	ompa	ny /	Me	wbourn	2													
City: Hobbs	State: NM	Zip	: 88	240	A	ttn: R	ahb	ie	Runne	,													- 1
Phone #: (57	5) 264-9884 Fax #:				A	ddres	s: 4	801	Business	PkBlud								1					
Project #: 15	Project Owne	r: R	11.	2 Ryanels		ity: H				17111							1						
Project Name:	Chicago 9-8 WOHF For C	-175	)	- K-Mices	Si	tate: A	IN	1 ;	Zip: 886	240		3	18			1							
Project Location	n: Man 1 100 0:1 Come	o m	1			hone				14	rid	301	802							1			- 1
Sampler Name:	Chicago 9-8 WOHE Fee Company Eric Mojica	4			1	ax #:					Chloride	TPH (8015M)	STEX (8021B)		1								
FOR LAB USE ONLY	offic fields	Т	Г	MATRIX		PRE	SEF	RV.	SAMPLI	NG		무	BTI										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER:	ACID/BASE:	ICE / 600E	OTHER:	DATE	TIME													
1	EWZA	C	1	1			1	T	5.5.22		1							T	T				
2	WWZA	C	1	1			1		1		1												
3004697	FS 17e 19"	C	1	1			1				1												
4	EW4	C	1	1			1	1	-		1	1	1										
5	WW4	C	1	1	L	1	1	-			1	1	V										
6	F\$37e7'	C	1	1	-	1	/	1	5.4.22		1	1	1	_		-	-		_	_		1	
7	FS 3867.	C	1	1	-		1	1			1	1	1	-	_	-	-	-	1	1	-	_	
8	FS 39 e 7	C	1	1	-	1	1	4			/	/	V	+	-	-	1	-	+	+	-	-	_
	FS 4007	C	1	1	-	1	4	4			V	1	1	-	-	-	-	+	+	+	+	+	_
DI EASE NOTE: L'abilit	FS 4  e7' vi Damages. Cardinal's liability and client's exclusive remedy for a	C	n ariei		t or to	rt shall b	√ Imi	and to	the amount pair	by the client for	V	/	/					_					$\dashv$
enalyses. All claims includi service. In no event shall C efficies or successors add	ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, including as out of or related to the aerformance of Sendon, because by (	deeme withou cardinal	d wale d limb rega	ed unions made in willing an ulion, business interruptions, roless of whether such claim	loss (	of use, or	loss (	of prof	its incurred by o	lent, in subsidier isons or otherwis	ies, ie.												
Relinquished Branch Relinquished Relinquished Branch Relinquished Relinquished Branch Relinquished Relinquish	y: 5-22 Time: 538 y: Date:	Re	cei	POOLU( ved By:	p	1	L	人	7	Phone Re- Fax Resul REMARKS	sult: t: S:	O Ye	es .	No No	Add	T Phon T Fax #	:	etech	env c	om			
Delivered By: Sampler - UPS	(Circle One) 4.3° C-D.5 - Bus - Other: 3.8° # 11	° 3		Sample Condit	s o			nitia	D BY:			- Juli	- CATT	ССР	, 5, 50	.5 10				-//II.			

FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM



May 12, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/09/22 15:56.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Applyand By MC

Received: 05/09/2022 Reported: 05/12/2022

CHICAGO 9-8 WOHE FEE COM 1

Project Name: CHICA Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/09/2022

Sampling Type: Soil

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

#### Sample ID: FS 42 @ 7' (H221952-01)

DTEV 0021D

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	05/11/2022	ND	2.12	106	2.00	3.86	
Toluene*	<0.050	0.050	05/11/2022	ND	2.11	105	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.38	106	6.00	3.03	
Total BTEX	<0.300	0.300	05/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/10/2022	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	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	100	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 43 @ 7' (H221952-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.12	106	2.00	3.86	
Toluene*	<0.050	0.050	05/11/2022	ND	2.11	105	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.38	106	6.00	3.03	
Total BTEX	<0.300	0.300	05/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-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	05/10/2022	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	05/11/2022	ND	190	94.8	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	203	101	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	127	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 44 @ 7' (H221952-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.12	106	2.00	3.86	
Toluene*	<0.050	0.050	05/11/2022	ND	2.11	105	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.38	106	6.00	3.03	
Total BTEX	<0.300	0.300	05/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-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	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	89.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.9	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 45 @ 7' (H221952-04)

BTEX 8021B

	9,	9	7	7: : : • (					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.12	106	2.00	3.86	
Toluene*	<0.050	0.050	05/11/2022	ND	2.11	105	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.38	106	6.00	3.03	
Total BTEX	<0.300	0.300	05/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	91.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.6	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 46 @ 7' (H221952-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.12	106	2.00	3.86	
Toluene*	<0.050	0.050	05/11/2022	ND	2.11	105	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.38	106	6.00	3.03	
Total BTEX	<0.300	0.300	05/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	96.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 47 @ 7' (H221952-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.12	106	2.00	3.86	
Toluene*	<0.050	0.050	05/11/2022	ND	2.11	105	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.38	106	6.00	3.03	
Total BTEX	<0.300	0.300	05/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	94.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.9	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 48 @ 7' (H221952-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2022	ND	2.12	106	2.00	3.86	
Toluene*	<0.050	0.050	05/11/2022	ND	2.11	105	2.00	3.76	
Ethylbenzene*	<0.050	0.050	05/11/2022	ND	2.06	103	2.00	3.55	
Total Xylenes*	<0.150	0.150	05/11/2022	ND	6.38	106	6.00	3.03	
Total BTEX	<0.300	0.300	05/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-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	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	94.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.2	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 49 @ 7' (H221952-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2022	ND	2.04	102	2.00	1.41	
Toluene*	<0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95	
Total BTEX	<0.300	0.300	05/10/2022	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	176	16.0	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	91.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.5	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 50 @ 7' (H221952-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2022	ND	2.04	102	2.00	1.41	
Toluene*	<0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95	
Total BTEX	<0.300	0.300	05/10/2022	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	224	16.0	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	80.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.8	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



#### Analytical Results For:

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

Fax To:

Received: 05/09/2022 Sampling Date: 05/09/2022

Reported: 05/12/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: Sample Received By: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 51 @ 7' (H221952-10)

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	05/10/2022	ND	2.04	102	2.00	1.41	
Toluene*	< 0.050	0.050	05/10/2022	ND	2.01	101	2.00	1.46	
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	1.90	95.1	2.00	1.76	
Total Xylenes*	<0.150	0.150	05/10/2022	ND	5.91	98.5	6.00	1.95	
Total BTEX	<0.300	0.300	05/10/2022	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	160	16.0	05/10/2022	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	05/11/2022	ND	199	99.4	200	2.52	
DRO >C10-C28*	<10.0	10.0	05/11/2022	ND	179	89.3	200	4.45	
EXT DRO >C28-C36	<10.0	10.0	05/11/2022	ND					
Surrogate: 1-Chlorooctane	83.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.5	% 59.5-14	2						

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Celey D. Keene



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories \*=Accredited Analyte

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No Rush

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## ARDINAL LABORATORIES

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

Company Name	: Etech Environment			, Inc						2	81	LL TO		8					ANA	LYS	IS R	EQU	EST			
Project Manage								P	.0.	k:											T					
Address: 261								C	omp	any	N	lewbo	LIAE							1					1	
City: Hobbs		State: NM	Zip	: 882	240			A	ttn:	Kal	100	E Russ	./.													
	5) 264-9884	Fax #:						A	ddre	ss.	180	Busine	Pikl	3/,/												
Project #:  5	066	Project Owner	· R	11:	e R	UAAP	1,	C	ity:	Ho	14.	5														
Project Name:	Chicago 9-8 L	JOHE Fe	0. (		1	7171 2		s	tate:	NI	M	Zip: 88.	240			SM.	18)					1				- 1
Project Location	Chicago 9-8 L	Dil Camo	60	u	-				hone			-1-00	-		Chloride	TPH (8015M)	BTEX (8021B)									- 1
Sampler Name:	Eric Mojica	VII COM		7					ax #:						Chic	Ĭ	EX									
FOR LAB USE ONLY						MA	TRIX		PR	ESE	RV.	SAMP	ING			F	BT									
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	ICE / 600F	OTHER:	DATE	TIN	IE												
1	F542e7		C	1		V				1		5-9-22			1	V	1									
2	FS +3e7'		C	1		V				1					1	1	1									
3	FS 44e7		C	1		V				1					V	1	/									
4	FS 4507		C	1		V				1					1	/	1		1	_	-	_	_			
5	FS 46e7		C	1		1				1			_		V	1	1	1	-	-	-	1	_			
4	FS 4707		C	1		V			1	1			_	_	V	V	/	1	-	-	$\perp$	-	-			
7	FS 48e7		C	1		V		4	1	1			-	_	/	1	/	+	-	+	+	+	-			-
8	FS 49e7'		C	1	1	1		1	$\perp$	1			-	_	V	/	V	-	-	+-	-	+-	-		_	
9	FS 50e7'		C	H	1	V	$\vdash$		+	V			-	-	/	V	1	+	+	+	+	+	-	$\vdash$		-1
PLEASE NOTE: Liability an	FS 5   67' Damages, Cardinel's fiebility and clie	of's exclusive remedy for a	C clair	n arisin	a wheth	er basec	in con	tract or 1	ort shall	√ be for	allard h	o the amount o	nid by the of	ant for t	V he	V	1	_								-
	ng those for negligence and any other c	cause whatsoever shall be	doomo	d wales	d unles	n mada i	n welle	g and re	celved b	y Card						ole										- 1
Relinquished By	ng out of or related to the performance	of services hereunder by C Date:	ardinal	, regar	ed b	whether	such o	taim is b	esed up	on any	of the	above stated	Phone	therwise	0.	☐ Ye	5	No	Add	Phon	e #:	-				-
En Ming	=	5-9-22 Time: 550	9	54	ed B	y	i	W	V	\ -	^	8	Fax R	esult	t:	□ Ye		] No	Add	Fax#	:					
		Time:						***					Pleas	se er	mail r	esults	and	copy	of Co	C to p	om@e	eteche	env.con	n.		
Delivered By: Sampler - UPS	- Bus - Other:	Side #1	c 12		C	ool Yes No	Intac	t		SHI		ED BY:														

FORM-006 Revision 1.0

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

Released to Imaging: 2/9/2023 8:09:40 AM

Page 13 of 13



May 18, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/13/22 16:33.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

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

Fax To:

 Received:
 05/13/2022
 Sampling Date:
 05/13/2022

 Reported:
 05/18/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyand By MC

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 63 @ 10' (H222058-01)

DTEV 0021D

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	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	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	224	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	87.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.0	% 59.5-14	2						

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#### Analytical Results For:

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

Received: 05/13/2022 Reported: 05/18/2022

Project Name: CHICAGO 9-8 W0HE FEE COM 1

Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM Sampling Date: 05/13/2022

Sampling Type: Soil

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

#### Sample ID: FS 64 @ 4' (H222058-02)

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	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	128	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	89.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102 9	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 65 @ 4' (H222058-03)

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	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	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	464	16.0	05/17/2022	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	05/17/2022	ND	192	96.0	200	0.297	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	198	99.2	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	85.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.0	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 66 @ 11' (H222058-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	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	224	16.0	05/17/2022	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	05/18/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	91.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.8	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 67 @ 4' (H222058-05)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	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	368	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	74.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.7	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 68 @ 5' (H222058-06)

RTFY 8021R

B1EX 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	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	70.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.2	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 69 @ 6' (H222058-07)

BTEX 8021B	mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	272	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	68.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.0	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 70 @ 6' (H222058-08)

RTFY 8021R

B1EX 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	05/17/2022	ND	1.97	98.6	2.00	7.84	
Toluene*	<0.050	0.050	05/17/2022	ND	1.94	97.0	2.00	8.15	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.4	2.00	7.74	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.89	98.1	6.00	7.22	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	70.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	76.1	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

#### Sample ID: EW 5 (H222058-09)

BTEX 8021B

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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 % 69.9-1-		0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	80.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.4	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: WW 5 (H222058-10)

BTEX 8021B	mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	72.9 % 66.9-13		6						
Surrogate: 1-Chlorooctadecane	80.8	% 59.5-14	2						

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#### Analytical Results For:

Etech Environmental & Safety Solutions

JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 35 @ 8' (H222058-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/17/2022	ND	416	104	400	0.00	

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 54 @ 9' (H222058-12)

RTFY 8021R

BIEX 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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	79.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.2	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 55 @ 9' (H222058-13)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	74.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.8	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 56 @ 6.5' (H222058-14)

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	< 0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	77.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.1	% 59.5-14	22						

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#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 57 @ 6.5' (H222058-15)

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	78.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.0	% 59.5-14	2						

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\*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 58 @ 7' (H222058-16)

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	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	384	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	79.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.9	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 59 @ 7' (H222058-17)

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-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	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	84.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.3	% 59.5-14	22						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 60 @ 7.5' (H222058-18)

BTEX 8021B

DILX OUZID	ıııg,	ng .	Allulyzo	a by. 1-15 (					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	75.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.4	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 61 @ 10' (H222058-19)

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-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	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	79.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.3	% 59.5-14	2						

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Celey D. Keene



## Analytical Results For:

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

Fax To:

Received: 05/13/2022 Sampling Date: 05/13/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 62 @ 10' (H222058-20)

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/17/2022	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	05/17/2022	ND	184	92.0	200	1.55	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	196	98.2	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	74.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.3	% 59.5-14	22						

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Released to Imaging: 2/9/2023 8:09:40 AM

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 No Rush

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1.+2

Company Name	: Etech Environmen	ntal & Safety Solu	tions	, Inc	C.			$\neg$		8	B	ILL	TO						ANA	LYS	IS R	EQU	EST			
Project Manage	r. Lance Cri	enshaw							P.0	. #:								T		T	T	T	T	T		
Address: 261	7 W Marland								Con	npai	ny A	1 = =	bour	ne	1											
City: Hobbs		State: NM	Zip	: 88	240				Attr	R.	bhi	e R	10018	15	1											
Phone #: (57	5) 264-9884	Fax #:						- 1	Add	Iress	:48	OIB	Wines	, P. k Blod	1				1							
Project #: \5	066 Chicago 9-8 h	Project Owner	r: R	11:	e K	VA16	15		City	: H.	16.	5					_								1	
Project Name: (	Chicago 9-8 L	VOHE Fee	Ca	m	HI	•/(			Stat	te: N	M	Zip	: 882	40		SM)	BTEX (8021B)									
Project Location	m: Me wbourne	Oil Campa									1: -				Chloride	<b>IPH (8015M)</b>	802									
Sampler Name:	Eric Moise	h	7	-				_		#:		_			볽	H	X	1								
FOR LAB USE ONLY	1,10,100					MA	TRI				SERV	4 5	SAMPL	NG	1	4	BTE									
Lab I.D.	Sample I	I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE	TIME												
1	FS 63 = 10		C	1		J	1		Ť	1	1	_	13:12		J	V	1									
2	FS6404'		C	1		1			1	1					V	1	V									
3	FS 6504"		C	1		V				V	1		1		1	V	1									
9	FS 66e11'		C	)		1				V	1				1	1	1									
5 6 7	FS 67e4		C	1		V					1		1		1	1	1									
6	FS &8e5		C	1		1				V		-			1	1	1									
7	FS 69e6		C	1		1				V					1	1	1									
8	FS 7006		C	1		1			1	V					1	/	1									
9	EW5		C	1		1			1	V					1	1	1									
10	WW 5 kir'∂amages. Cardinal's liability and cli		C			V				V	1				1	1	1									
analysis All claims include	ng those for negligence and any other nedinal be liable for incidental or conse ng out of or related to the performance (:	name whether and shall be	withou	t limita reger	d unles don, but dess of red E	s made in whether	n wellin terrupi	ng and r ions, los ctairn is	eceive se of us based	ed by Co se, or k upon a	nrdinal oss of p any of th	with the St	O days after		ne applicat ries, se sult:  t:	□ Ye		No No	-	Phone Fax #						
	(Circle One)	Time:	00	2	0	mple Ye	'mna	L'L		CI		KED I		Please e	mail r	esults	s and	сору	of Co	C to p	om@e	eteche	env.coi	m.		

No Rush

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2.+2

RDINAL LABORATORIES	140
101 Fast Marland Hobbs NM 88240	

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2470

Company Name	Etech Environmental & Safety Solu		BILL TO				ANALY	SIS RE	QUEST	
Project Manage	r. Lance Crenshaw		P.O. #:							
Address: 261	7 W Marland		Company Mewbourne						1 1	
City: Hobbs	State: NM	Zip: 88240	Attn: Robbie Runel							
Phone #: (575	5) 264-9884 Fax #: —		Address: 480 Burger	PkBlvd			1 1			
Project #: \5	Chicago 9-8 WOHE Fe n: Mewbourne Oil Compan Eric Mojica	F. R. Alic Rungle	City: Hobbs	10.0	1					
Project Name: (	Chick on 9-8 WOHE Fo	Can I H	State: NM Zip: 88 d	40 0	₩.	18				
Project Location	n:Manhamas Oil Coman		Phone #: -	P. P.	200	805				
Sampler Name:	Eric Morrison	y	Fax #: -	Chloride	TPH (8015M)	3TEX (8021B)				
FOR LAB USE ONLY		MATRI			1	E	1 1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / 4804 OTHER:	TIME						
11	FS3508'	CIJ	1 5.13.22	/						
12	FS 54e9	CIV	1	1	1	/				
13 14 15	FS 5509	CIV	1	1	1	1				
14	FS 5606/2	CIV	1	1	1	1				
5	FS 570 61/2	CIII	1	1	1	1				
19	FS 58e 7	CIIV	1	J	1	1				
17	FS 59e7	CIIV	1	V	1	1				
18	FS 60e 71/2	CIII	1	V	1	1				
20	FS61010	CII	1	1	V	1				
	FS 620 10	CIII		J	1					
analyses. All claims includi	nd Damages. Cardinal's liability and client's exclusive remedy for ing those for negligence and any other cause wheteroever shall be	deemed waived unless made in wri	ng and received by Cardinal within 30 days after	completion of the applic	elde					
affiliates or successors arisis	ardinal be liable for incidental or consequental damages, including out of or related to the performance of services hereunder by	Cardinal, regardless of whether such		sons or otherwise.						
Relinquished B	y: Date: 5.13-22 Time: 133	Received By:	men	Phone Result: Fax Result: REMARKS:	□ Ye		Add'i Ph			
Relinquished B	y: Date:	Received By:		Please email	results	and conv	of CoC t	o pm@ete	echeny.com	
	- Bus - Other:	Sample Co Cool Int	ndition CHECKED BY: ct (Initials)	. ioado cinali	Tooute	and copy	0.0001	o pinagete		

FORM-006 Revision 1.0

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

Released to Imaging: 2/9/2023 8:09:40 AM



May 18, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/16/22 16:18.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Applyand By MC

Received: 05/16/2022 Reported: 05/18/2022

05/18/2022 CHICAGO 9-8 W0HE FEE COM 1

Project Name: CHICA Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/16/2022

Sampling Type: Soil

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

Sample ID: FS 52 @ 19.5' (H222076-01)

DTEV 0021D

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	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	240	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	78.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.3	% 59.5-14	2						

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## Analytical Results For:

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

Received: 05/16/2022 Reported: 05/18/2022

CHICAGO 9-8 W0HE FEE COM 1

Project Name: Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM Sampling Date: 05/16/2022

Sampling Type: Soil

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

#### Sample ID: FS 53 @ 19.5' (H222076-02)

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	05/17/2022	ND	2.10	105	2.00	3.25	
Toluene*	<0.050	0.050	05/17/2022	ND	2.07	103	2.00	3.75	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.05	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.34	106	6.00	4.18	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	80.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.8	% 59.5-14	2						

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#### Analytical Results For:

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

Received: 05/16/2022 Reported: 05/18/2022 Sampling Date: 05/16/2022 Sampling Type: Soil

Project Name: Project Number:

CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 71 @ 4' (H222076-03)

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	79.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.1	% 59.5-14	2						

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#### Analytical Results For:

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

Received: 05/16/2022 Reported: 05/18/2022

Sampling Date: 05/16/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Project Number: 15066

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

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 72 @ 5' (H222076-04)

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	95.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.9	% 59.5-14	2						

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#### Analytical Results For:

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

Received: 05/16/2022 Reported: 05/18/2022 Sampling Date: 05/16/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 WOHE FEE COM 1

Sampling Condition: Cool & Intact

Project Number: 15066

Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 73 @ 4' (H222076-05)

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	78.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	77.2	% 59.5-14	2						

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#### Analytical Results For:

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

Received: 05/16/2022

Sampling Date: 05/16/2022

Reported: 05/18/2022 Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Type: Soil

Project Number: 15066

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

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 74 @ 4' (H222076-06)

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	80.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.1	% 59.5-14	22						

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#### Analytical Results For:

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

Received:

05/16/2022 05/18/2022

Project Name: CHICAGO 9-8 W0HE FEE COM 1

Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM Sampling Date: 05/16/2022

Sampling Type: Soil

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

#### Sample ID: FS 75 @ 5' (H222076-07)

Reported:

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	76.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.7	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/16/2022 Sampling Date: 05/16/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 76 @ 4' (H222076-08)

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	89.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.0	% 59.5-14	2						

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#### Analytical Results For:

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

Received: 05/16/2022 Reported: 05/18/2022 Sampling Date: 05/16/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 WOHE FEE COM 1

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

Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 77 @ 7' (H222076-09)

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	79.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.8	% 59.5-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



#### Analytical Results For:

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

Received: 05/16/2022 Reported: 05/18/2022

2 Sampling Date: 05/16/2022 2 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1
Project Number: 15066

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

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 81 @ 4' (H222076-10)

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	05/17/2022	ND	2.03	102	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.93	96.6	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.01	100	6.00	1.15	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/17/2022	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	05/17/2022	ND	194	96.8	200	1.97	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	184	91.9	200	0.423	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	81.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.8	% 59.5-14	22						

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene



No Rush

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Etech Environmental & Safety Solu	tions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manage	r: Lance Crenshaw		P.O. #:	
Address: 261			Company Mewbourne	
City: Hobbs	State: NM	Zip: 88240	Attn: Robbie Runnels Address: 480   Business Pikblad	
Phone #: (57	5) 264-9884 Fax #:		Address: 4MI Busines P. F. Blad	
Project #: \5	0 6 6 Project Owne	r: R.Lb. Russls	City: Habbs	
Project Name:	Chicago 9-8 WOHE Fee n: Mewbourne Oil Compo Eric Mojica	Carly	State: NM Zip: 88240	Chloride TPH (8015M) BTEX (8021B)
Project Location	n: Manhausse Oil Come	JOM III	Phone #:	0015
Sampler Name:	Fig Maile	ny	Fax#:	Chloride (8015M)
FOR LAB USE ONLY	Cheriogra	MATRIX	PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: ICE / 600E OTHER:	
	FS 52@ 191/2	CIV	5.11.22	1 / /
Z	FS53e191/2	CII		1 1 1
3	FS71e4	CIV		111
4	FS7205	CIV		111
5	FS73e4	CIV		
6	FS7404	CIIV		J J J
7	FS 75e5'	CIIV		V V V
8	FS 76e4	CIV		1 1 1
7	FS 77e7	CIII		
10	FS 8104'	CIIV		
enalyses. All claims Includi service. In no event shall Carifficiates or successors arisin Relinquished By Relinquished By	7 Time:   5 - 16 - 22   Time:   5 - 16 - 22   Time:   Time:	decemed waived unless made in writing as guiltout limitation, business interruptions. Cardinal, regardless of whether such clain Received By:  Received By:	nd received by Cardinal within 30 days after completion of the loss of use, or loss of profits incurred by client, its subsidiary is based upon any of the above stated reasons or otherwise.  Phore Res Fax Result REMARKS	no applicable ine, ine. a. sulft:
	- Bus - Other: 4.8 c	Sample Condition Cool Intact Ves 179 No No	CHECKED BY: (Initials)	

FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM

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



May 19, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/17/22 16:01.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

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

Sampling Date:

05/17/2022

Reported:

Received:

05/17/2022 05/19/2022

Sampling Type:

Soil

Project Name:

CHICAGO 9-8 WOHE FEE COM 1

Sampling Condition:

Cool & Intact

Project Number:

15066

Sample Received By:

Shalyn Rodriguez

Project Location:

MEWBOURNE - EDDY CO NM

#### Sample ID: EW 6 (H222097-01)

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	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	05/18/2022	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	05/18/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	94.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: WW 6 (H222097-02)

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	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/18/2022	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	05/18/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	111 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	119 9	6 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 78 @ 5' (H222097-03)

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	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	< 0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	< 0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	192	16.0	05/18/2022	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	05/18/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	117 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	124 9	59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 79 @ 4' (H222097-04)

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	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	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	560	16.0	05/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	143 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	152 %	59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 80 @ 4' (H222097-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	120	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	128	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 82 @ 4' (H222097-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	121	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	129	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: MS\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 83 @ 6.5' (H222097-07)

BTEX 8021B

	9,	9	7	7: : : • (					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	448	16.0	05/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	124	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	130	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 84 @ 8' (H222097-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	464	16.0	05/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	118	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	130	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 86 @ 3' (H222097-09)

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	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	< 0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	< 0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	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	144	16.0	05/18/2022	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	05/19/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	118 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	129 9	6 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/17/2022 Sampling Date: 05/17/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC\

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 87 @ 3' (H222097-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.05	102	2.00	3.84	
Toluene*	<0.050	0.050	05/18/2022	ND	2.02	101	2.00	2.94	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.00	100	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.21	103	6.00	3.85	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/18/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	234	117	200	6.50	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	215	108	200	2.01	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keine

RDINAL LABORATORIES

No Rush

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	ompany Name: Etech Environmental & Safety Solutions, Inc.										BI	LL TO		83					ANA	LYSI	SR	EQUE	ST			
Project Manage	r: Lance Crenshi	<u>~</u> W							.O. i																	
Address: 261	7 W Marland							C	omp	any	M	eubou	ne													
City: Hobbs		State: NM	Zip:	882	240			A	ttn:	R.	66;	e Ruan	els													
Phone #: (57	5) 264-9884	Fax #:						A	ddre	9 <b>S</b> S:	481	Ruan Ol Busin	ess Pik	Bld												
Project #: 15	066	Project Owner	R.	bie	e Ru	mel	s	C	ity:	H.	655									1						
Project Name: (	066 Chicago 9-8 WO Mewhourne Oil Eric Mojica	HE Fee Co.	n	H				s	tate:	N	M	Zip: 88	240			<b>IPH (8015M)</b>	BTEX (8021B)							- 1		
Project Location	n: Me stourne O:1	Company							hone						Chloride	801	(80)						1 1			
Sampler Name:	Eric Moiles	7						F	ax#		_				Chl	Ĭ	EX							- 1		
FOR LAB USE ONLY	3				- 1	MAT	RIX		PR	ESE	RV.	SAMP	LING			F	BT									
					OIL	SLUDGE OTHER.	ACID/BASE:	ICE / 9091-	OTHER:	DATE	TIN	ΙE														
1	EW6								T	1	_	5.17.26	2		1	V	1									
2	WW6		C	1		1				V		/			1	V	1									
3	FS 7805		C	1		J				1		/	1		1	1	1									
4	FS 79e4'		C	1		1			1	4					V	1	1		-	_	-					
5	FS 80e4		C	1		1		-	$\perp$	V			-	_	1	/	1	-	-	-	-	-		_		-
4	FS 8264		C	7	-	1		+	+	1	$\vdash$	$\rightarrow$	+	$\dashv$	V	1	1	-	+-	-	+-	+-	-	-		
-3	FS 836 81/2		C	1	-	1	-	+	+	1	Н	$\leftarrow$	+-	-	1	1	1	-	+-	-	$\vdash$	-		$\rightarrow$	$\rightarrow$	-
8	FS 8603		C	1	+	1	-	+	+	1	H	$\rightarrow$	+	$\dashv$	V	~	~	+	+	┼	+	+	-	-		
9	FS 8703		0	1	+	1	-	+	+	V	$\vdash$	$\leftarrow$	+	$\dashv$	/	V	1	+	+	$\vdash$	+	+		-		$\vdash$
PLEASE NOTE: Liability ar	d Damages. Cardinal's liability and clien	nt's exclusive remedy for an	y clain	arising	whethe	based i	in con	tract or b	ort, shal	be in	mited to	the amount p	aid by the cli	ent for t	he	V	V				_					
analyses. All claims includi service in no event shall C	ng those for negligence and any other ca ardinal be liable for incidental or conseq	supe whatsoever shall be duental damages, including	withou	September 1	d unless ion, busi				,			thin 30 days at the incusted by	,,	n of the	o applicab 06,	ido										
Relinquished By:  Relinquished By:  Date:  Received By:  Time:						VC	ioim is bu	per up	A CONTRACT	l and the	above stated	Phone Fax R REMA	esult	:	☐ Ye		No No		Phone Fax #:							
Delivered By: Sampler - UPS	Delivered By: (Circle One) 5.90 0.50 Sample Cool into Cool into Sample Cool into Cool into Sample Cool into Cool into Sample						Con	dition f Yes			ECK (Imiti	ED BY:	Pleas	e er	mail ro	esults	and	сору	of Co	C to p	m@e	eteche	nv.com			

FORM-006 Revision 1.0 Page 13 of 13

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



May 23, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/18/22 16:11.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

A ..... I ..... . J D. ... 711

Received: 05/18/2022 Reported: 05/23/2022

05/23/2022 CHICAGO 9-8 W0HE FEE COM 1

Project Name: CHICA Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/18/2022

Sampling Type: Soil

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

#### Sample ID: FS 88 @ 4.5' (H222122-01)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	400	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	112 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	115	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Received: 05/18/2022 Reported: 05/23/2022 Sampling Date: 05/18/2022 Sampling Type: Soil

Project Name:

CHICAGO 9-8 W0HE FEE COM 1

Sampling Condition: Cool & Intact

Project Number: 15066 Sample Received By:

Project Location: MEWBOURNE - EDDY CO NM Tamara Oldaker

## Sample ID: FS 89 @ 4.5' (H222122-02)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	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	368	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	114 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	6 59.5-14	2						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/18/2022 Sampling Date: 05/18/2022

Reported: 05/23/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 90 @ 5' (H222122-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	64.0	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	110	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	115	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/18/2022 Sampling Date: 05/18/2022

Reported: 05/23/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 91 @ 5' (H222122-04)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	256	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	110 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	6 59.5-14	2						

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## Analytical Results For:

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

Fax To:

Received: 05/18/2022 Sampling Date: 05/18/2022

Reported: 05/23/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 92 @ 6' (H222122-05)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	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	400	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	118 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	124 9	59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/18/2022 Sampling Date: 05/18/2022

Reported: 05/23/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 15066 Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 93 @ 3' (H222122-06)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	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	320	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	112 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	117 9	6 59.5-14	2						

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## Analytical Results For:

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

Received: 05/18/2022 Reported: 05/23/2022 Sampling Date: 05/18/2022 Sampling Type: Soil

Project Name:

CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition:

Cool & Intact

Project Number:

15066

Sample Received By:

Tamara Oldaker

Project Location:

MEWBOURNE - EDDY CO NM

#### Sample ID: FS 94 @ 3' (H222122-07)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	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	176	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	109 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 %	6 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/18/2022 Sampling Date: 05/18/2022

Reported: 05/23/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 95 @ 3' (H222122-08)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	208	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	123	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	128	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/18/2022 Sampling Date: 05/18/2022

Reported: 05/23/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 96 @ 3' (H222122-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/19/2022	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	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	129	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	132	% 59.5-14	2						

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## Analytical Results For:

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

Received: 05/18/2022 Reported:

Sampling Date: 05/18/2022 05/23/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

#### Sample ID: FS 98 @ 4.5' (H222122-10)

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	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	320	16.0	05/19/2022	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	05/19/2022	ND	198	99.1	200	0.723	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	189	94.3	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	91.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.7	% 59.5-14	2						

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

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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# No Rush

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name							81	LL TO						ANA	LYSIS	S RE	EQUE	ST			
Project Manage	r. Lance Creash	aw			P.O.																
	7 W Marland				Con	npan	y M	ewbour	ne							1				-	- 1
City: Hobbs	S	tate: NM Zip	: 88	3240	Attn	R.	blie	Runel	,												
Phone #: (575	5) 264-9884 Fa	ax #:			Add	ress	:480	Burnes	PLBL												
Project #: ) 5 (	) / / P	roject Owner: R	-1	lie Ryacels	City													li			
Project Name: (	chicana 9-8 WO	HE Fee Co	~	1 H				Zip: 886	140		SM)	18									
Project Location	Chicago 9-8 WO Mew Lovine Oil Eric Mojica	Company				ne #				Chloride	<b>IPH (8015M)</b>	STEX (8021B)									
Sampler Name:	Eric Moiles	- July and				#:				Ship	I	X									
FOR LAB USE ONLY	7		T	MATRIX		PRES		SAMPLI	NG		르	BT								1	
Lab I.D. Sample I.D. 388841/2				GROUNDWATER WASTEWATER SOIL OIL	OTHER:	ACID/BASE:	OTHER:	DATE	TIME												
1	FS 88e41/2	C	li	4	Ĭ	1		5-18-22		1	1	1								1	
2	FS 89041/2	4/2 (1)				1				1	1	1									
3	F590e 5'	C	1	1		1		/		1	1	1									
4	FS 91e5'	C	1	V		1				1	1	1									
5	FS 9206	C	1	1		1				1	1	1									
6	FS 93@3'	C	1	1		V				1	/	/									
1	FS 9403	C	1	J	Н	1				1	1	/					-				
8	FS 95e3'	C	1	1	Н	1	+			V	1	V				-	-			-	_
9	F596e3	C	1	1	$\Box$	1		$\rightarrow$		V	V	V				-	-		-	-	_
PLEASE NOTE: Liability ar	FS 9 8 4 1/2 and Damages. Cardinal's liability and client's e	exclusive remedy for any clai	D adia	ing whether based in contract	or tort, s	half be i	Imited t	the amount paid	by the client for t	he	V	V									$\overline{}$
enalyses All claims include service in no event shall C	ng those for negligence and any other cause ardinal be lighte for incidental or consequent	whatsoever shall be deame	d wah		d receive	id by Ca		thin 30 days after ofte incurred by c			do										
Relinquished By				ved By:	is based	upon a	ny of the	above stated rea	Phone Res		☐ Ye	s O	No	Add'l	Phone	#:			-		$\dashv$
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FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM



May 25, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/19/22 15:50.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

A ... - L ... - d D. .. MC/

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022 Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 97 @ 8.5' (H222147-01)

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	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	90.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.3	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 99 @ 3.5' (H222147-02)

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	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	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	96.0	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	83.5 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.8 9	59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 100 @ 4' (H222147-03)

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	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	70.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.0	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 101 @ 2.5' (H222147-04)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	76.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.5	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 102 @ 5.5' (H222147-05)

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	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	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	128	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	79.7 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.7	6 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 103 @ 4.5' (H222147-06)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	81.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.3	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 104 @ 2.5' (H222147-07)

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	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	80.0	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	82.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.9	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: MC/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 105 @ 2.5' (H222147-08)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	94.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 05/19/2022 Sampling Date: 05/19/2022

Reported: 05/25/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes) Sample Received By: Shalyn Rodriguez Project Number: 15066

MEWBOURNE - EDDY CO NM Project Location:

#### Sample ID: WW 7 (H222147-09)

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	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	432	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	107 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	117 9	6 59.5-14	2						

#### Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

 Received:
 05/19/2022
 Sampling Date:
 05/19/2022

 Reported:
 05/25/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: \*\* (See Notes)

Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: EW 7 (H222147-10)

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	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTEX	<0.300	0.300	05/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	144	16.0	05/23/2022	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	05/25/2022	ND	192	95.8	200	7.03	
DRO >C10-C28*	20.3	10.0	05/25/2022	ND	202	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					
Surrogate: 1-Chlorooctane	96.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108	% 59.5-14	2						

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

No Rush

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## RDINAL LABORATORIES

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

Company Name	: Etech Environmental & Safety Solu		BILL TO				ANALYSIS	REQUES	T	
Project Manage	r: Lance Crenshaw		P.O. #:							
	7 W Marland		Company Mewbou	rne						
City: Hobbs	State: NM	Zip: 88240	Attn: Robbie Pun	els						
Phone #: (57	5) 264-9884 Fax #:		Attn: Robbie Punn Address: 490 Burnes.	PhBlvd					1 1	
Project #: \5	0 66 Project Owne	r. Robbie Russels	city: Hobbs	781						
Project Name: (	Chicago 9-8 WOHF Fee	Cam IH	State: NM Zip: 88	2240	€ W	18				
Project Location	n:Mauricas O:\ Comos		Phone #:	prig	301	802				
Sampler Name:	Chicago 9-8 WOHE Fee m: Mew bourne Oil Compa Eric Mojica	ny	Fax #: -	CHIOride	FPH (8015M)	BTEX (8021B)				
FOR LAB USE ONLY	of the front of	MATRIX	PRESERV. SAMPLE		스	BT				
<b>Lab I.D.</b>	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME						
	FS97e81/2	CIVI	1 5.19-22	1	1	1				
a	FS 99 = 31/2	CIIV		V	V	1				
3	FS 100e4	CIV	1	✓	1	/				
4	FS 101@ 2/2	CIV	1	/	1	/				
5	FS 102e 51/2	CIV	1	V	V	V				
6	FS 103e 4/2	CIIV		V	1	1				
7	FS 104021/2	CII	1	~	1	1				
8	FS 105e21/2	C I V		/	1	V				
9	WW7	CIIV	1	1	/	/				
10	EW7	CIIVI		V	1					
enalyses. All claims includi	5.19.29	deemed waived unless made in writing a g without finition, business interruptions Cardinal, regardless of whether such clair Received By:	nd received by Cardinal within 30 days after , lose of use, or lose of profits incurred by o	r completion of the appli dent, its subsidiaries, asons or otherwise. Phone Result: Fax Result: REMARKS:	□ Ye	s 🗆 No	Add'l Phone # Add'l Fax #:			
Delivered By Sampler - UPS	- Bus - Other:	Sample Condi Cool Intact	(Initials)	Please email	results	and copy	of CoC to pm	@etechenv	.com.	

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

Released to Imaging: 2/9/2023 8:09:40 AM



June 01, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/25/22 16:00.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

A ... - I. ... - d D. .. CI/

Received: 05/25/2022 Reported: 06/01/2022

CHICAGO 9-8 WOHE FEE COM 1

Project Name: CHICA Project Number: 15066

Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/25/2022

Sampling Type: Soil

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

Sample ID: NW 1 (H222240-01)

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	05/28/2022	ND	2.07	103	2.00	2.12	
Toluene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	1.88	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	1.93	96.3	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.00	100	6.00	3.08	
Total BTEX	<0.300	0.300	05/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/31/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	189	94.3	200	0.783	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	181	90.5	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	115	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/25/2022 Sampling Date: 05/25/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: CK

Project Location: MEWBOURNE - EDDY CO NM

ma/ka

#### Sample ID: WW 8 (H222240-02)

RTFY 8021R

B1EX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2022	ND	2.07	103	2.00	2.12	
Toluene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	1.88	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	1.93	96.3	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.00	100	6.00	3.08	
Total BTEX	<0.300	0.300	05/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/31/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	189	94.3	200	0.783	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	181	90.5	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	111 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	116	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/25/2022 Sampling Date: 05/25/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: CK

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 115 @ 4.5' (H222240-03)

BTEX 8021B

DILX GOZID	mg/ kg		Analyzea by. ex						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2022	ND	2.07	103	2.00	2.12	
Toluene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	1.88	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	1.93	96.3	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.00	100	6.00	3.08	
Total BTEX	<0.300	0.300	05/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/31/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	189	94.3	200	0.783	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	181	90.5	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	112	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	117	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/25/2022 Sampling Date: 05/25/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: CK

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 116 @ 4' (H222240-04)

RTFY 8021R

BIEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2022	ND	2.07	103	2.00	2.12	
Toluene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	1.88	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	1.93	96.3	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.00	100	6.00	3.08	
Total BTEX	<0.300	0.300	05/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	05/31/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	188	94.1	200	1.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	96.1	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	118	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	134	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/25/2022 Sampling Date: 05/25/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 117 @ 5' (H222240-05)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2022	ND	2.07	103	2.00	2.12	
Toluene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	1.88	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	1.93	96.3	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.00	100	6.00	3.08	
Total BTEX	<0.300	0.300	05/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/31/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	188	94.1	200	1.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	96.1	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	118 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	133 9	6 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 05/25/2022 Sampling Date: 05/25/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: CK

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 118 @ 5' (H222240-06)

RTFY 8021R

B1EX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2022	ND	2.07	103	2.00	2.12	
Toluene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	1.88	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	1.93	96.3	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.00	100	6.00	3.08	
Total BTEX	<0.300	0.300	05/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	96.0	16.0	05/31/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	188	94.1	200	1.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	96.1	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	111 5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	126	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 05/25/2022 Sampling Date: 05/25/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Project Number: Sample Received By: 15066 Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 119 @ 5' (H222240-07)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2022	ND	2.07	103	2.00	2.12	
Toluene*	<0.050	0.050	05/28/2022	ND	2.04	102	2.00	1.88	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	1.93	96.3	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.00	100	6.00	3.08	
Total BTEX	<0.300	0.300	05/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/31/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	188	94.1	200	1.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	96.1	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	112 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	126 9	6 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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#### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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No Rush

# 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.						BILL TO								ANA	LYS	IS F	REQU	JEST						
Project Manage	: Lance Crenshaw							0. #:								T			T		T		T	
Address: 261							Co	mpa	any	M	enhour	12												
City: Hobbs	State: NM	Zip	: 88	240			Att	n: /	oh	bie	Runne	15												1 1
Phone #: (575	5) 264-9884 Fax #: —						Ad	dres	s:4	180	11 Busine	. PitBlvd												1 1
Project #:   5	Project #: 15066 Project Owner: Robbie Runels Project Name: Chicago 9-8 WOHE Fee Con   Project Location: Membourne Oil Company Sampler Name: Eric Mojica						City: Hobbs						_											
Project Name: (	hicago 9-8 WOHE	ee	C	ml			Sta	ate:	NI	M	Zip: 88	240		SM	BTEX (8021B)									
Project Location	"Membourne Oil Cons	an	u					one					Chloride	801	80									1 1
Sampler Name:	Eric Moison		J				Fa	x #:	-	-			ਤਿੰ	TPH (8015M)	X		1						1	1 1
FOR LAB USE ONLY		T.		M	TR	IX		PRE	SE	RV.	SAMPL	ING			BT					1				
<b>Lab I.D.</b>	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER SOII		SLUDGE	OTHER:	ACID/BASE:	ICE / 6001-	OTHER:	DATE	TIME												
1	NWI	C	I						1		5.25.22		1	/	1									
3	WW8	C	1	1					1				V	V	1									
	FS 115e4/2	C	1	1					V				V	1	1									
4	FS 116e4	C	1	J					1				1	1	1		-	-			_	-	-	
5	FS 117e5	C	1	J	-				1				V	1	V	-	1	-	-	-	+	-	+	
Q	FS 11805	C	1	1	1	-			1	_			V	/	1	+	+	+	+	-	+	-	+	-
7	FS 119e5'	C	1	V	+	-		$\vdash$	1	Н		-	1	V	V	+-	+	+	+	+	+	+	+	-
		+	$\vdash$	++	+		-	$\vdash$	-	H		-			-	+	+	+	+	+	+	+	+	+
		+	$\vdash$	++	+	+	-		-							+	+	+	+	+	+	+	+	+
analyses. All claims includir service. In no event shall Co	Time: 1400	deeme	d walv	ed unless made don, business i	in we	ting and ptions, i	005 0	ived by fune, o	Cord r loss	of pro	offits incurred by	client, ils suboidies	rios, so. sult: lt:	□ Ye		□ No		'I Phor						
Sampler - UPS - Bus - Other: 44° #113 Sample Cond					act	(Initials)				om.														

FQIRM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM

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



June 03, 2022

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

RE: CHICAGO 9-8 W0HE FEE COM 1

Enclosed are the results of analyses for samples received by the laboratory on 05/24/22 15:50.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To:

 Received:
 05/24/2022
 Sampling Date:
 05/23/2022

 Reported:
 06/03/2022
 Sampling Type:
 Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

A ... - I. ... - d D. .. CK/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 106 @ 2' (H222215-01)

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	05/27/2022	ND	2.12	106	2.00	0.185	
Toluene*	<0.050	0.050	05/27/2022	ND	2.08	104	2.00	0.788	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.04	102	2.00	0.451	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.32	105	6.00	1.16	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	144	16.0	05/27/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2022	ND	207	103	200	2.79	
DRO >C10-C28*	15.7	10.0	05/26/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	127	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	129	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/24/2022 Sampling Date: 05/23/2022

Reported: 06/03/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: CK/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 107 @ 6.5' (H222215-02)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Allulyzo	a by. cit/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	0.185	
Toluene*	<0.050	0.050	05/27/2022	ND	2.08	104	2.00	0.788	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.04	102	2.00	0.451	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.32	105	6.00	1.16	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/27/2022	ND	448	112	400	3.64	
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	05/26/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	114 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 9	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/24/2022 Sampling Date: 05/23/2022

Reported: 06/03/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: CK/

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 108 @ 5.5' (H222215-03)

BTEX 8021B

	9,	9	7	7:,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	0.185	
Toluene*	<0.050	0.050	05/27/2022	ND	2.08	104	2.00	0.788	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.04	102	2.00	0.451	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.32	105	6.00	1.16	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/27/2022	ND	448	112	400	3.64	
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	05/26/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	128	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	130	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/24/2022 Sampling Date: 05/23/2022

Reported: 06/03/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: CK/

Project Location: MEWBOURNE - EDDY CO NM

mg/kg

#### Sample ID: FS 109 @ 5.5' (H222215-04)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Allulyzo	a by. cit/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	0.185	
Toluene*	<0.050	0.050	05/27/2022	ND	2.08	104	2.00	0.788	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.04	102	2.00	0.451	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.32	105	6.00	1.16	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/27/2022	ND	448	112	400	3.64	
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	05/26/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	110 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 9	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/24/2022 Sampling Date: 05/23/2022

Reported: 06/03/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 110 @ 5' (H222215-05)

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	05/27/2022	ND	2.12	106	2.00	0.185	
Toluene*	<0.050	0.050	05/27/2022	ND	2.08	104	2.00	0.788	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.04	102	2.00	0.451	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.32	105	6.00	1.16	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	240	16.0	05/27/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/26/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
Surrogate: 1-Chlorooctane	95.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.3	% 59.5-14	22						

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Celey D. Keine



#### Analytical Results For:

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

Applyzod By: CK

Received: 05/24/2022 Reported: 06/03/2022 Sampling Date: 05/23/2022

Project Name: CHICAGO 9-8 W0HE FEE COM 1

Sampling Type: Soil

Project Number: 15066

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

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 111 @ 5' (H222215-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: СК					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	320	16.0	05/27/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	93.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.1	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/24/2022 Sampling Date: 05/23/2022

Reported: 06/03/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 15066 Sample Received By:

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: EW 8 (H222215-07)

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	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 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	288	16.0	05/27/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	102 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101 9	% 59.5-14	2						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 05/24/2022 Sampling Date: 05/24/2022

Reported: 06/03/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Applyzod By: CK

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 112 @ 6' (H222215-08)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: СК					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	64.0	16.0	05/27/2022	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	05/27/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	103	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100	% 59.5-14	2						

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Celey & Keene



#### Analytical Results For:

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

Received: 05/24/2022 Reported: 06/03/2022 Sampling Date: 05/24/2022

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Type: Soil

Project Number: 15066 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 113 @ 5' (H222215-09)

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	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	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	144	16.0	05/27/2022	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	05/27/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	98.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.2	% 59.5-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 05/24/2022 Sampling Date: 05/24/2022

Reported: 06/03/2022 Sampling Type: Soil

Project Name: CHICAGO 9-8 W0HE FEE COM 1 Sampling Condition: Cool & Intact
Project Number: 15066 Sample Received By: Shalyn Rodriguez

Analyzed By: CK

Project Location: MEWBOURNE - EDDY CO NM

#### Sample ID: FS 114 @ 4.5' (H222215-10)

BTEX 8021B

	9/	9	7111411720	7 0.1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/27/2022	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	05/27/2022	ND	207	103	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	203	101	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	98.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.4	% 59.5-14	2						

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene

ARDINAL LABORATOR
101 East Marland, Hobbs, NM

No Rush

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Lance Crenshaw	P.O. #:	
Address: 2617 W Marland	Company Me wbourne	
City: Hobbs State: NM Zip: 88240	Attn: Robbie Runnels	
Phone #: (575) 264-9884 Fax #: -	Attn: Robbie Runnels Address: 4801 Busines Pittary	
Project #: \ 5066 Project Owner: Roblie Project	City: Habs.	
Project Name: Chicas 9-8 WOHE Fee Com	State/VM Zip: 88240	
Project #: 15066 Project Owner: Robbie Runels Project Name: Chicago 9-8 WOHE Fee Com Project Location: Mewbourne Oil Company	State/V/M Zip: 88240 Phone #:  Fax #: —  IDDESCRIVE SAMPLING	STEX (8021B)
Sampler Name: Eric Mojica	Fax #: —	
FOR LAB USE CALLY MATRIX	PRESERV. SAMPLING	
# CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: OTHER: OTHER: OTHER:	
FS 106e2'   C    V	1 5-2322 / /	
		V
3 5 FS +080 51/2 107061/3 C 1 V 3 5 FS +090 51/2 1080 51/2 C 1 V 4 5 FS +100 5 1090 51/2 C 1 V		
	1 1 1	/
5 3 FS +1105 1100 5 C 1 V	1 1 1	<b>✓</b>
6 2 EN 8 FS 11 65' CI	1 / / /	/
7 EW8 CIV		
5 5 FS +11e5 110e 5 C 1 V  5 EW8 C 1 V  7 EW8 C 1 V  9 FS 112e6 C 1 V	5.24.22	
9 FS 113.5 CI /		
10 15 1140 4/2 [C]]		
service. In no event shall Cardinal be liable for incidental or consequental demages, including without finitiation, business interrupt	and received by Cardinal within 30 days after completion of the applicable as, loss of use, or loss of profile incurred by client, its subsidiaries,	□ No Add'I Phone #:
Relinquished By:  Date: 5-23-22  Time: 550 Should By:  Received By:  Received By:  Received By:	E D 4 E V	□ No Add'l Fax #:
Relinquished By:  Time:	V	and copy of CoC to pm@etechenv.com.
Delivered By: (Circle One) 3.72 C -0.52 Sample Cor Sampler - UPS - Bus - Other: 3.72 #113 Sample Cor No Infa	dition CHECKED BY:	

FORM-006 Revision 1.0

Received by OCD: 9/2/2022 2:54:04 PM

# Appendix E Regulatory Correspondence

### Ben Arguijo

From: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Sent: Wednesday, December 22, 2021 9:41 AM

To: Ben Arguijo

Cc: Lance Crenshaw; Robbie Runnels; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD;

Velez, Nelson, EMNRD

**Subject:** (Extension Approval) NAPP2125960064 - Chicago 9/8 W0HE Fee Com #1H Battery

RE: Incident #NAPP2125960064

Ben,

Your request for an extension to January 31st, 2022 is approved.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Ben Arguijo <bena@etechenv.com> Sent: Friday, December 10, 2021 10:45 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Cc: ocd.environmental@state.nm.us; Lance Crenshaw <lance@etechenv.com>; Robbie Runnels

<rrunnels@mewbourne.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Subject: [EXTERNAL] NAPP2125960064 - Chicago 9/8 WOHE Fee Com #1H Battery - Extension Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has recently contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Chicago 9/8 W0HE Fee Com #1H Battery (NMOCD Incident #nAPP2125960064) located in Eddy County. Pursuant to NMOCD regulations, a work plan or closure report is due for the release on December 16, 2021. In consideration of Etech's current workload, the upcoming holidays, and the associated fluctuations in staffing levels as people take leave from work to spend time with loved ones, Etech, on behalf of Mewbourne, would like to request an extension until January 31, 2022, in order to allow us time to conduct a proper site assessment, fully delineate the release, and devise an appropriate remediation strategy to advance the site to an NMOCD-approved closure.

If you have any questions or need any additional information, please do not hesitate to contact me by phone or email.

Thank you for your time and consideration.

Respectfully, Ben J. Arguijo

**Ben J. Arguijo**Project Manager



2507 79<sup>th</sup> St., Unit A Lubbock, TX 79423-2211 (432) 813-1592

Total Control Panel Login

To: bena@etechenv.com Message Score: 50 High (60): Pass
From: robert.hamlet@state.nm.us My Spam Blocking Level: High Medium (75): Pass

Low (90): Pass

Block this sender
Block state.nm.us

This message was delivered because the content filter score did not exceed your filter level.

### **Ben Arguijo**

From: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Sent: Thursday, April 7, 2022 11:58 AM

To: Ben Arguijo

**Cc:** Connor Walker; Robbie Runnels; Lance Crenshaw; Bratcher, Mike, EMNRD; Hensley,

Chad, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD

**Subject:** (Extensions Denied) NAPP2125960064 & NAPP2200753107 - Chicago 9/8 W0HE Fee

Com #1H Battery

Categories: NMOCD

RE: Incident #NAPP2125960064 & NAPP2200753107

Ben,

An extension for incident **NAPP2125960064** has already been granted. An extension for incident **NAPP2200753107** should have been requested before the remediation due date of 3/24/2022. Your request for extensions on these two incidents is **denied**. Include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Ben Arguijo <bena@etechenv.com> Sent: Wednesday, April 6, 2022 2:33 PM

**To:** Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>; ocd.environmental@state.nm.us

**Cc:** Connor Walker <cwalker@mewbourne.com>; Robbie Runnels <rrunnels@mewbourne.com>; Lance Crenshaw <lance@etechenv.com>

**Subject:** [EXTERNAL] nAPP2125960064 & APP2200753107 - Extension requests - Chicago 9/8 W0HE Fee Com #1H Battery

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Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has contracted Etech Environmental & Safety Solutions, Inc. (Etech), to perform remediation activities for the releases known as the Chicago 9/8 W0HE Fee Com #1H Battery: NMOCD Incident #'s nAPP2125960064 (9/7/21) and nAPP2200753107 (12/24/21). The releases occurred in the same tank battery facility and affected a similar area, and Etech was in the process of delineating and remediating the 9/7/21 release when the

12/24/21 release occurred. Pursuant to NMOCD regulations, a work plan or closure report was due for the 12/24/21 release on 3/24/22. However, Etech has not yet had an opportunity to complete delineation of the commingled impacted area, as the tank battery affected by the releases is in the process of being relocated to another area of the location.

In consideration of this situation, Etech, on behalf of Mewbourne, would like to request an extension until July 1, 2022, in order to 1.) allow Etech time to fully delineate and/or excavate the commingled releases and devise a strategy to advance the site to an NMOCD-approved closure, and 2.) allow time for upcoming fracking activities in the region to be completed. The upcoming fracking activities have the potential to introduce additional safety and environmental concerns on-site due to the increased traffic and personnel that would not otherwise be present under normal operations.

Thank you for your time and consideration.

Respectfully, Ben J. Arguijo

**Ben J. Arguijo**Project Manager



2507 79<sup>th</sup> St., Unit A Lubbock, TX 79423-2211 (432) 813-1592

Total Control Panel Login

High (60): Pass

Medium (75): Pass Low (90): Pass

To: <a href="mailto:bena@etechenv.com">bena@etechenv.com</a>
From: robert.hamlet@state.nm.us

Message Score: 1

My Spam Blocking Level: High

Block this sender
Block state.nm.us

This message was delivered because the content filter score did not exceed your filter level.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 140562

#### **CONDITIONS**

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	140562
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2125960064 CHICAGO 9/8 W0HE FEE COM #1H BATTERY, thank you. This closure is approved.	2/9/2023