Page 1 of 122 Incident ID nAPP2102530060 District RP Facility ID Application ID

### **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be	included in the plan.									
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)										
Deferral Requests Only: Each of the following items must be con-	firmed as next of any request for deferred of remediation									
Contamination must be in areas immediately under or around prodeconstruction.										
Extents of contamination must be fully delineated.										
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.									
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file complete which may endanger public health or the environment. The acceptant liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lateral contents of the compliance with any other federal, state, or local lateral contents of the compliance with any other federal, state, or local lateral contents of the compliance with any other federal contents.	ertain release notifications and perform corrective actions for releases ace of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of									
Printed Name: Jacqui Harris	Title: Environmental Engineer									
Signature: Jacque Thomas	Date:12/14/21									
email: jacqui.harris@conocophillips.com	Telephone: (575)745-1807									
OCD Only										
Received by: Chad Hensley	Date: 02/14/2022									
Approved Approved with Attached Conditions of A	Approval									
Signature:	Date: 02/14/2022									

# Remediation Summary & Deferral Request

### COG Operating, LLC Save DA Federal 1 Tank Battery

Eddy County, New Mexico
Unit Letter "D", Section 21, Township 25 South, Range 29 East
Latitude 32.12085 North, Longitude 103.99555 West
NMOCD Reference No. nAPP2102530060

Prepared By:

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

3100 Plains Highway Lovington, New Mexico 88260

Joel W. Lowry



Midland • San Antonio • Lubbock • Lovington • Lafayette

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#### 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of COG Operating, LLC, has prepared this *Remediation Summary & Deferral Request* for the release site known as the Save DA Federal 1 Tank Battery (henceforth, "Save DA"). Details of the release are summarized below:

			Locatio	on of Release S	ource				
Latitude <u>:</u>		32.12	2085	Longitude	-103.99555				
			Provide	d GPS are in WGS84 for	mat.				
Site Name:	Save 1	OA Fede	ral 1 Tank Battery	Site Type:		Tank Battery			
Date Release Dis	covere	d:	1/6/2021	API # (if appl	cable):	30-015-34840			
Unit Letter	tter Section Township			Range	County	y			
"D"	2	1	25S	29E	Eddy				
Surface Owner:	Sta	te X F	ederal Tribal  Nature ar	Private (Na					
X Crude Oil		Volume	Released (bbls)	1	Volume 1	Recovered (bbls) 0			
X Produced Water Volume Released (bbls)				10	Volume I	Recovered (bbls) 8			
			ncentration of disso d water > 10,000 mg		e X Ye	es No N/A			
Condensate	;	Volume	Released (bbls)		Volume Recovered (bbls)				
Natural Ga	5	Volume	Released (Mcf)		Volume Recovered (Mcf)				
Other (desc	ribe)	Volume	Weight Released		Volume/Weight Recovered				
	erflow		equipment failure.	The release was co	onfined to the	containment area. A vacuum truck			
			In	itial Response					
X The source	of the re	elease has	been stopped.						
X The impacte	d area	has been	secured to protect hu	man health and the	environment.				
X Release mat	erials h	ave been	contained via the use	of berms or dikes,	absorbent pad	, or other containment devices			
Y All free liqu	ids and	recovera	ble materials have be	en removed and me	magad annuan	riately			

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

#### 2.0 SITE CHARACTERIZATION

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

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on June 18, 2021, an investigative soil boring/temporary monitor well was drilled at the site in an effort to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 105 feet below ground surface (bgs) and left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment. The location of the investigative soil bore/temporary monitor well is depicted in Figure 2. A drilling log is provided in Appendix B.

What is the shallowest depth to groundwater beneath the area affected by the release?	>105'
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 and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

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

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Save DA 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	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
>105'	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	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 INITIAL SITE ASSESSMENT

On June 3, 2021, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (SP1 through SP3) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, hand-augered soil bores (NHS, EHS, SHS, and WHS) 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 14 delineation soil samples (NHS @ 0-6", NHS @ 1', EHS @ 0-6", EHS @ 1', SHS @ 0-6", SHS @ 1', SHS @ 0-6", SHS @ 1', SP 1 @ 0-6", SP 1 @ 1', SP 2 @ 0-6", SP 2 @ 1', SP 3 @ 0-6", and SP 3 @ 1') were submitted to a certified commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal extent of impacted soil was adequately defined. However, additional vertical delineation was required in the areas characterized by sample points SP 1, SP 2, and SP 3.

On June 8, 2021, Etech revisited the release site. During the site visit, a series of test trenches were advanced in the areas characterized by sample points SP 1, SP 2, and SP 3 to further investigate the vertical extent of impacted soil. During the advancement of the test trenches, three (3) soil samples (SP 1 @ 2', SP 2 @ 2', and SP 3 @ 2') were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined, and soil was not affected above the NMOCD Closure Criteria beyond two (2) feet bgs in the areas characterized by sample points SP 1, SP 2, and SP 3.

The locations of the hand-augered soil bores and test trenches 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. Laboratory analytical reports are provided in Appendix C. General photographs of the site are provided in Appendix D.

#### 5.0 PROPOSED REMEDIATION PLAN

On June 22, 2021, based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, a *Site Assessment Report, Proposed Remediation Plan & Deferral Request* was submitted to the NMOCD proposing the following remediation activities designed to advance the Save DA release site toward an approved closure:

- Utilizing mechanical equipment and/or hand tools, excavate impacted soil affected above the NMOCD Closure Criteria in the areas characterized by sample points SP 1, SP 2, and SP 3 to an estimated depth of two (2) feet bgs.
- Advance the sidewalls and floor of the excavated area until laboratory analytical results indicate BTEX, TPH, and chloride concentrations are below the NMOCD Closure Criteria, or to the maximum extent practicable.
- Impacted soil affected above the NMOCD Closure Criteria remaining in-situ adjacent to the above ground storage tanks and associated equipment will be remediated upon abandoning and decommissioning the facility.
- Transport excavated soil to an NMOCD-permitted surface waste facility for disposal.
- Upon completion of excavation activities, collect representative five-point composite confirmation soil samples from the excavation sidewalls in each cardinal direction, representing no more than 50 linear feet. Collect a minimum of one (1) representative five-point composite confirmation sample from the base of the excavated area representing every 200 square feet. Collect additional, discrete samples as necessary from wet or visibly stained areas inferred to have been affected by the release
- Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted, "like" material.
- Upon completion of remediation activities, prepare a *Remediation Summary & Deferral Request* detailing field activities, laboratory analytical results from confirmation soil samples, and a determination of the volume of impacted soil to remain in-situ.

#### 6.0 REMEDIATION ACTIVITIES SUMMARY

On November 5, 2021, remediation activities commenced at the release site. In accordance with the NMOCD-approved *Site Assessment Report, Proposed Remediation Plan & Deferral Request*, impacted soil within the release margins affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted 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.

On November 9, 2021, Etech collected seven (7) confirmation soil samples (EW 1, EW 2, SW 2, and FL 3 through FL 6) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory method detection limit (MDL) in each of the submitted soil samples, with the exception of soil sample SW 2, which exhibited a TPH concentration of 10.5 mg/kg. Chloride concentrations ranged from 48.0 mg/kg in soil sample EW 2 to 480 mg/kg in soil sample EW 1.

Etech also advanced one (1) hand-augered soil bore (DEF 1) to further characterize the affected area adjacent to and/or beneath the on-site storage tanks and associated piping, appurtenances, and electrical facilities requiring deferral of remediation. During the advancement of the hand-augered soil bore, two (2) soil samples (DEF 1 @ 0' and DEF 1 @ 4') were collected and field-screened utilizing olfactory/visual senses and/or a chloride test kit. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond four (4) feet bgs in the area characterized by auger hole DEF 1.

On November 10, 2021, Etech collected three (3) confirmation soil samples (WW 1, FL 7 @ 2', and FL 8 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 208 mg/kg in soil sample FL 7 @ 2' to 336 mg/kg in soil sample FL 8 @ 4'.

Etech also advanced one (1) hand-augered soil bore (DEF 3) to further characterize the affected area adjacent to and/or beneath the on-site storage tanks and associated piping, appurtenances, and electrical facilities requiring deferral of remediation. During the advancement of the hand-augered soil bore, two (2) soil samples (DEF 3 @ 0' and DEF 3 @ 4') were collected and field-screened utilizing olfactory/visual senses and/or a chloride test kit. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond four (4) feet bgs in the area characterized by auger hole DEF 3.

On November 11, 2021, Etech collected one (1) confirmation soil sample (NW 1) from the sidewall of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in the soil sample. BTEX and TPH concentrations were also below the applicable laboratory MDL. The chloride concentration was 144 mg/kg.

On November 12, 2021, Etech collected two (2) confirmation soil samples (FL 9 @ 4' and FL 10 @ 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 concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL in each of the submitted soil samples. Chloride concentrations were 256 mg/kg in soil sample FL 9 @ 4' and 272 mg/kg in soil sample FL 10 @ 4'.

On November 15, 2021, Etech collected four (4) confirmation soil samples (SW 1, WW 2, FL 1 @ 6', and FL 2 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL in each of the submitted soil samples, with the exception of soil sample FL 2 @ 2', which exhibited a TPH concentration of 16.9 mg/kg. Chloride concentrations ranged from 96.0 mg/kg in soil sample SW 1 to 800 mg/kg in soil sample FL 1 @ 6'.

Etech also advanced one (1) hand-augered soil bore (DEF 2) to further characterize the affected area adjacent to and/or beneath the on-site storage tanks and associated piping, appurtenances, and electrical facilities requiring deferral of remediation. During the advancement of the hand-augered soil bore, two (2) soil samples (DEF 2 @ 0' and DEF 2 @ 2') were collected and field-screened utilizing olfactory/visual senses and/or a chloride test kit. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond two (2) feet bgs in the area characterized by auger hole DEF 2.

On November 17, 2021, the excavation was further advanced in the areas characterized by soil samples WW 1 and FL 1 @ 6'. Etech collected two (2) confirmation soil samples (WW 1 B and FL 1 @ 10') from the sidewall and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also below the laboratory MDL in each of the submitted soil samples. Chloride concentrations were 256 mg/kg in soil sample WW 1 B and 464 mg/kg in soil sample FL 1 @ 10'.

The final dimensions of the excavated area were approximately 58 to 87 feet in length, five (5) to 42 feet in width, and two (2) to 10 feet in depth. During the course of remediation activities, approximately 316 cubic yards of impacted soil was transported to an NMOCD-permitted surface waste facility for disposal. Approximately 316 cubic yards of locally sourced, non-impacted material was imported 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. Laboratory analytical reports are provided in Appendix C. General photographs of the site are provided in Appendix D.

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

The release was limited to the production pad and containment area of an active tank battery facility. 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 fit the needs of the facility. Final reclamation and re-vegetation will be conducted upon decommission and abandonment of the facility.

#### 8.0 DEFERRAL REQUEST

Remediation activities were conducted in accordance with an NMOCD-approved work plan. Impacted soil affected above the NMOCD Closure Criteria was excavated to the extent practicable and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria. Remediation of impacted soil affected above the NMOCD Closure Criteria remaining in-situ adjacent to and/or beneath the on-site storage tanks and associated pipes, appurtenances, and electrical facilities will be completed upon decommissioning and abandonment of the facility, in accordance with Section 19.15.29.13 NMAC.

Based on laboratory analytical results and field activities conducted to date, Etech recommends COG Operating, LLC, provide copies of this *Remediation Summary & Deferral Request* to the appropriate agencies and cease remediation activities at the Save DA release site.

#### 9.0 LIMITATIONS

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

This report has been prepared for the benefit of COG Operating, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or COG Operating, LLC.

#### 10.0 DISTRIBUTION

COG Operating, LLC 600 West Illinois Avenue Midland, TX 79701

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

GPS: 32.12085, -103.99555 Eddy County

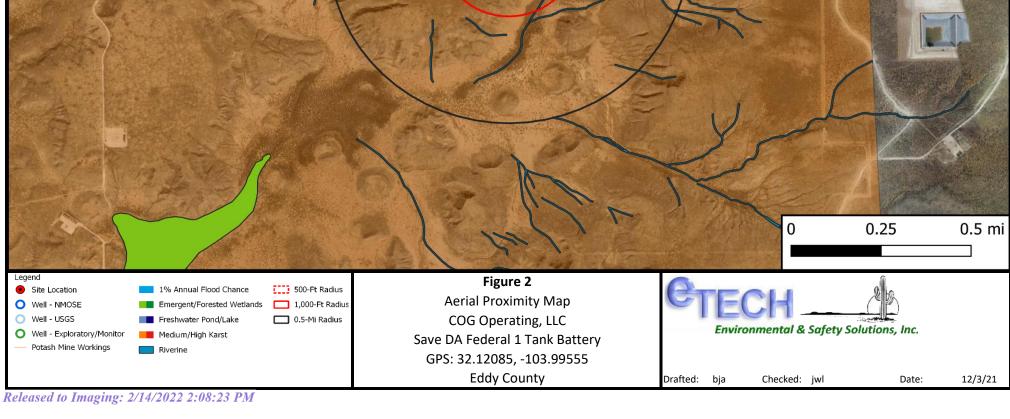
Checked: jwl

Date:

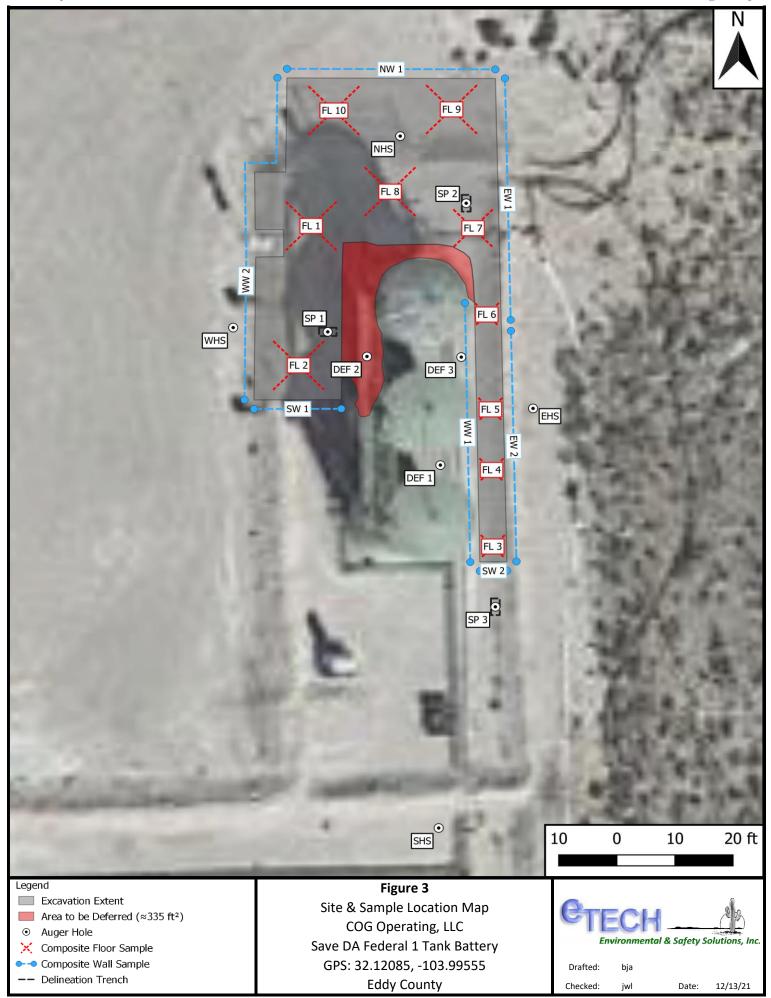
12/3/21

Drafted: bja

### Figure 2 Aerial Proximity Map



# Figure 3 Site & Sample Location Map



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

	Table 1											
			Conce	entrations	of BTEX,	TPH & C	Chloride in	Soil				
				C	OG Opera	ating, LLC	C					
				Save D	A Federal	1 Tank B	attery					
				NMOCI	D Ref. #: n	APP2102	530060					
NMO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	10,000	
NMOCD	Reclamation	Standard		10	50	-	-	-	-	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>	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)	
				Dali	neation & De	, , ,	, , ,	(mg/kg)	(mg/kg)	(mg/kg)		
NHS @ 0-6"	6/3/2021	0 - 0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304	
NHS @ 1'	6/3/2021	1	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
EHS @ 0-6"	6/3/2021		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224	
EHS @ 1'	6/3/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
SHS @ 0-6"	6/3/2021	-	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256	
SHS @ 0-6"	6/3/2021	1	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112	
WHS @ 0-6"	6/3/2021	0 - 0.5		<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288	
WHS @ 1'	6/3/2021	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
SP 1 @ 0-6"	6/3/2021		Excavated	< 0.050	< 0.300	24.3	3,040	3,060	514	3,580	8,800	
SP 1 @ 1'	6/3/2021	1	Excavated	< 0.050	< 0.300	<10.0	217	217	42.2	259	1,800	
SP 1 @ 2'	6/8/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368	
SP 2 @ 0-6"	6/3/2021	0 - 0.5	-	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600	
SP 2 @ 1'	6/3/2021	1	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680	
SP 2 @ 2'	6/8/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176	
SP 3 @ 0-6"	6/3/2021		In-Situ	< 0.050	< 0.300	<10.0	186	186	13.0	199	4,400	
SP 3 @ 1'	6/3/2021	1	In-Situ	< 0.050	< 0.300	<10.0	11.2	11.2	<10.0	11.2	1,140	
SP 3 @ 2'	6/8/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320	
DEF 1 @ 0'	11/9/2021	0	Deferral	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440	
DEF 1 @ 4'	11/9/2021	4	Deferral	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176	
$\overline{}$	11/15/2021	0	Deferral	< 0.050	< 0.300	<10.0	1,240	1,240	550	1,790	36,000	
DEF 2 @ 2'	11/15/2021	2	Deferral	< 0.050	< 0.300	<10.0	40.5	40.5	37.1	77.6	448	
DEF 3 @ 0'	11/10/2021	0	Deferral	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400	
DEF 3 @ 4'	11/10/2021		Deferral	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208	
227 2 69 .				0.020	Excavation		10.0	20.0	10.0	20.0		
NW 1	11/11/2021	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144	
EW 1	11/9/2021	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480	
EW 2	11/9/2021	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
SW 1	11/15/2021	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
SW 2	11/9/2021	0-4	In-Situ	< 0.050	< 0.300	<10.0	10.5	10.5	<10.0	10.5	160	
WW 1	11/10/2021	0-4	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304	
WW 1 B	11/17/2021	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256	
WW2	11/15/2021	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736	
FL 1 @ 6'	11/15/2021	6	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800	
FL 1 @ 10'	11/17/2021	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464	
FL 2 @ 2'	11/15/2021	2	In-Situ	< 0.050	< 0.300	<10.0	16.9	16.9	<10.0	16.9	480	
FL 3	11/9/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144	
FL 4	11/9/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128	
FL 5	11/9/2021	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256	
FL 6	11/9/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
FL 7 @ 2'	11/10/2021	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	208	

Dash (-): Sample not analyzed for that constituent. **Bold:** NMOCD Closure Criteria exceedance. **Red:** NMOCD Reclamation Standard exceedance.

	Table 1 Concentrations of BTEX, TPH & Chloride in Soil COG Operating, LLC Save DA Federal 1 Tank Battery NMOCD Ref. #: nAPP2102530060											
NMO		10	50	-	-	1,000	-	2,500	10,000			
NMOCD Reclamation Standard				10	50		-		-	100	600	
	Date	Date Depth (Feet)		SW 840	6 8021B		4500 Cl					
Sample ID			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)	
FL 8 @ 4'	11/10/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336	
FL 9 @ 4'	11/12/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256	
FL 10 @ 4'	11/12/2021	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272	

# Appendix A Depth to Groundwater Information

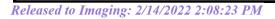
GPS: 32.12085, -103.99555 Eddy County

Drafted: bja

Checked: jwl

12/3/21

Date:



## Received by OCD: 12/16/2021 8:35:43 AM 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-		Q	Q	Q								V	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDer	othWater Co	olumn
<u>C 04503 POD1</u>		CUB	ED	4	3	3	09	25S	29E	594884	3556142	1874			
<u>C 02371</u>		C	ED		2	3	15	25S	29E	596741	3555106*	2155	200	60	140
<u>C 02680</u>		CUB	ED		2	3	15	25S	29E	596741	3555106*	2155	200		
<u>C 02518</u>		C	ED		3	4	08	25S	29E	593895	3556300*	2201	462		

Average Depth to Water:

60 feet

Minimum Depth:

60 feet

Maximum Depth:

60 feet

#### Record Count: 4

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

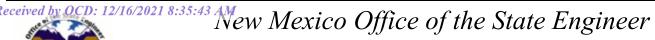
**Easting (X):** 594753.14 **Northing (Y):** 3554272.77 **Radius:** 3220

#### \*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.

6/3/21 8:48 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



## **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** 

Q64 Q16 Q4 Sec Tws Rng

X

C 02371

25S 29E 15

596741 3555106\*

**Driller License:** 1259 **Driller Company:** 

CAMPBELL DRILLING

**Driller Name:** 

CAMPBELL, MICHAEL R.

**Drill Start Date:** 01/12/1995 **Drill Finish Date:** 

01/24/1995

**Plug Date:** 

Log File Date:

02/01/1995

**PCW Rcv Date:** 

Source:

Shallow

**Pump Type:** 

Pipe Discharge Size:

**Estimated Yield:** 

20 GPM

**Casing Size:** 

7.00

**Depth Well:** 

200 feet

**Depth Water:** 

60 feet

Water Bearing Stratifications:

Top Bottom Description

162

Sandstone/Gravel/Conglomerate

**Casing Perforations:** 

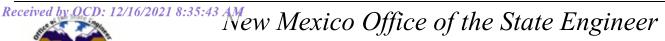
**Bottom** Top

140 200

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.

6/3/21 8:49 AM

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



# **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X Y

C 02518

3 4 08 25S 29E

593895 3556300\*

•

**Driller License:** 421

**Driller Company:** 

GLENN'S WATER WELL SERVICE

**Driller Name:** GLENN, CLARK A."CORKY" (LD)

**Drill Start Date:** 06/02/1997 **Log File Date:** 06/10/1997

**Drill Finish Date:** 06/02/1997

/02/1997 **Plug Date:** 

PCW Rcv Date:

Source:

**Log File Date: Pump Type:** 

**Pipe Discharge Size:** 

**Estimated Yield:** 

Casing Size: Depth Well:

462 feet

Depth Water:

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6/3/21 8:49 AM

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

## Received by OCD: 12/16/2021 8:35:43 AM Wew Mexico Office of the State Engineer

# **Point of Diversion Summary**

15 25S 29E

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** 

C 02680

Q64 Q16 Q4 Sec Tws Rng

X

596741 3555106\*

**Driller License:** 

**Driller Name:** 

**Drill Start Date:** 

Log File Date:

**Pump Type: Casing Size:** 6.00 **Drill Finish Date:** 

**Driller Company:** 

04/30/1964 **PCW Rcv Date:** 

Pipe Discharge Size:

Depth Well: 200 feet **Plug Date:** 

Source:

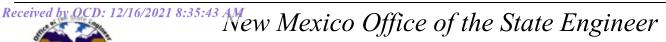
**Estimated Yield:** 

**Depth Water:** 

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6/3/21 8:49 AM

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



## **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X

NA C 04503 POD1

3 3 09 25S 29E 594884

3556142

**Driller Name:** ATKINS, JACKIE D.UELENER

**Drill Finish Date:** 

04/19/2021 **Plug Date:** 

04/27/2021

Log File Date:

05/05/2021

PCW Rcv Date:

Source:

07/2//2021

Pump Type:

**Pipe Discharge Size:** 

**Estimated Yield:** 

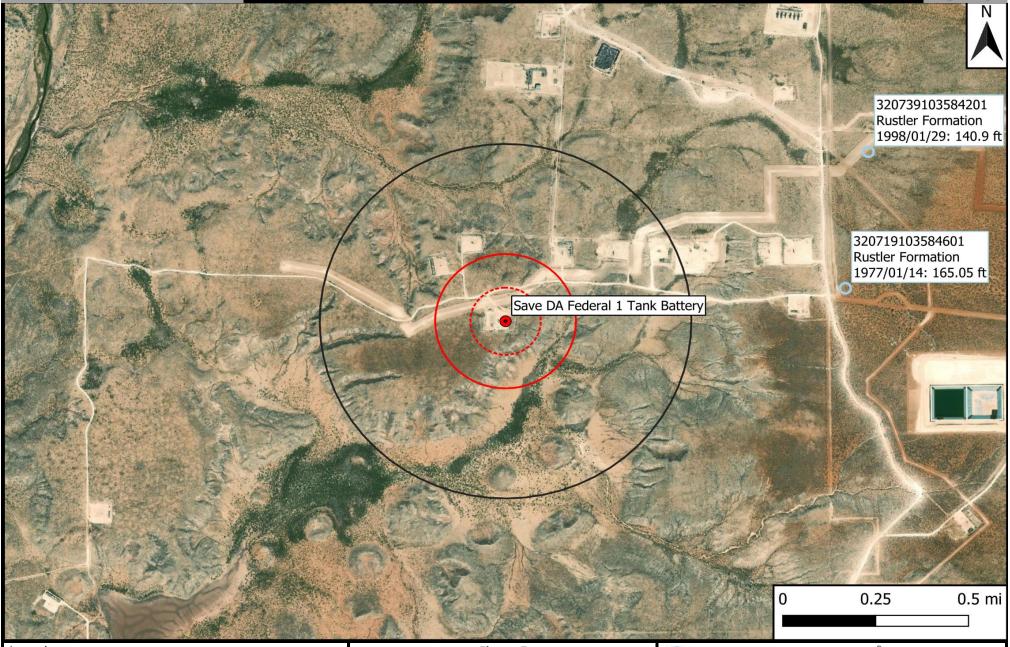
Casing Size:

Depth Well:

Depth Water:

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6/3/21 8:49 AM





Site Location

Well - USGS Wells

500 Ft Radius

1000 Ft Radius

☐ 0.5 Mi Radius

#### Figure 5

USGS Well Proximity Map COG Operating, LLC Save DA Federal 1 Tank Battery GPS: 32.12085, -103.99555 Eddy County





**Environmental & Safety Solutions, Inc.** 

Drafted: bja

Checked: jwl

Date:

12/3/21



**National Water Information System: Web Interface** 

**USGS** Water Resources

USGS Home Contact USGS Search USGS

Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

Click forNews Bulletins

Table of data

Tab-separated data

Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 320719103584601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 320719103584601 25S.29E.16.44444

Eddy County, New Mexico
Latitude 32°07'19", Longitude 103°58'46" NAD27
Land-surface elevation 3,042 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### **Output formats**

Graph of data											
Reselect period											
Date	Time	? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1958-08-19		D	72019	170.14				1	Z		Α
1958-10-23		D	72019	170.80				1	Z		А
1975-12-09		D	72019	164.95				1	S		Α
1976-01-16		D	72019	167.12				1	S		А
1977-01-14		D	72019	165.05				1	S		Α

#### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
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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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: 2021-06-11 13:18:19 EDT

0.32 0.26 nadww02





**National Water Information System: Web Interface** 

**USGS** Water Resources

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Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

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Table of data

Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

#### Search Results -- 1 sites found

Agency code = usgs site no list =

• 320739103584201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 320739103584201 25S.29E.15.31134

Eddy County, New Mexico
Latitude 32°07'39", Longitude 103°58'42" NAD27
Land-surface elevation 3,017 feet above NAVD88
The depth of the well is 192 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### **Output formats**

Tab-separated data											
Graph of data											
Reselect period											
Date	Time	? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1983-02-0	1	D	72019	140.40				1	Z		Α
1987-10-2	0	D	72019	140.33				1	Z		А
1992-11-0	6	D	72019	140.81				1	S		Α
1998-01-2	9	D	72019	140.90				1	5		А

#### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
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: 2021-06-11 13:19:33 EDT

0.43 0.36 nadww01



# Appendix B Field Data & Soil Profile Logs



### Sample Log

Project:

Save DA Federal 1 Tank Battery

Project Number: 14256 Latitude: 32.12085 Longitude: -103.99555

Sample ID	PID/Odor	Chloride Conc.	GPS		
UHS @ 0"-6"	-	328			
1HS @ 1	-	256			
HS & 0"-6"	~	368			
	-	196			
HS & 0"-6"	_	368			
HS @ 1'	_	224			
145 @ 0:6"		292			
It's @ 1'	-	196			
PI & D"-6"	-	7536			
PI e l'	_	1470			
PZ @ 0"-6"	_	2472			
P2 @ 1'	_	2472			
P3 & 0-6"		3936			
DZAI		1240			
P1 @ 2'	- /	416			
P2 @ 2'	- /	376			
P3 @ 2'		416			
			<u> </u>		
		·			
Sample Point = SP #1 @ ## etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b		
Floor = FL #1 etc		Refusal = SP #1 @ 4'-R	Stockpile = Stockpile #1		
Sidewall = SW #1 etc		Soil Intended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Areas		

### Sample Log

Save DA Fed 1 +B

Date:

10 21

14 256 Latitude: 32.12085 Longitude: - 03.9955

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 3@0'		over 3492	
FL 304	Note that the second second	372	
FL 40,0	will assess the state of the st	3492	
FL 40	- Marie Control	412	
FL 5@0	- Description	OVER 3492	
F65@3	-	392	
FL60 4	40000	500	
FL 70 2°	- Marian Cara	372	
FL 70 2' FL 80 4	Viditorius.	548	
FL 1000	منفسه	Over 3492	
FL 900	Maria Maria	2,908	
FL 9@4	- AND	548	
FL 9@4	district	596	
Def 1@0		136	
Def 100 4	مشيء	372	
Def 200	2015	over 3492	
Def2@4	-	500	
Def 3@0	1 - 1 - 1	over 3492	
Def 3 8 4		372	
FLIC 10		560	
WW13 .	-	368	
FLIOGO		over 3492	
FLOGO		2909	
FL 100 4		548	
FL 9@4		596	
FLIQO		Ove/ 2492	
FL 2000		Over 2492	
	_		
SWI		328	
1207	_	560	
Det L		over 3492	
2104		614	
Def 2 @ 2	pure de la constante de la con	325	
1106	THE REAL PROPERTY.	928	
WW 2		928	
Sample Point = SP #1 @ ## etc		Took Trough TT 44 @ 44	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Released to Imaging: 2/14/2022 2:08:23 PM

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



### Soil Profile

roject: Save DA Fed	leral 1 Tank Batt	erv		Date:	17/2/
oject Number:	14256	Latitude:	32.12085	Longitude:	-103.99555
pth (ft. bgs)			De	scription	
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5					
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Received by OCD: 12/16/2021 8:35:43 AM



#### Soil Boring/Temporary Monitor Well BH-1

**Company:** COG Operating, LLC **Site:** Save DA Federal 1 Tank Battery

NMOCD Reference #: nAPP2102530060

Location: Eddy Co., NM

**PLSS:** U/L "D", Sec. 21, T25S, R29E

Well/Borehole ID: BH-1

Coordinates (NAD 83): 32.121130,-103.99565

Drilling Date: 6/15/2021

Depth of Boring (ft): 105

Depth to Groundwater (ft): N/A

Plugging Date: 6/18/2021

Drilling Company: Scarborough Drilling, Inc.

Driller: L. Scarborough
Drilling Method: Air Rotary
Logged By: L. Scarborough
Drafted By: B. Arguijo
Draft Date: 12/3/2021

Completion: N/A Casing: N/A Screen: N/A

Comments: N/A

Depth (ft)	Groundwater	Lithology	Material Description	Chloride Field Test	Lab Result	PID Reading	Well Construction
- 10 - 20 - 30 - 40 - 50 - 60 - 70 - 80			Topsoil  Caliche  Sand  Red Clay				Bentonite —
- 110 - 120 - 130 - 140			Notes:  • Lines between material types represent approximate boundaries. Actual transitions may be gradual.  • The exploratory soil boring was left open for 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment.				

**Disclaimer** This bore log is intended for environmental not geotechnical purposes.

# Appendix C Laboratory Analytical Reports



June 08, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/03/21 16:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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
P.O. Box 301

Lovington NM, 88260 Fax To: (575) 396-1429

 Received:
 06/03/2021
 Sampling Date:
 06/03/2021

 Reported:
 06/08/2021
 Sampling Type:
 Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: NHS @ 0-6" (H211430-01)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	304	16.0	06/08/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	67.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.6	% 38.9-14	2						

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Celey & Keene



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

# Sample ID: NHS @ 1' (H211430-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	06/08/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	68.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.0	% 38.9-14	2						

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Celey D. Keine



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY

P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

## Sample ID: SHS @ 0-6" (H211430-03)

BTEX 8021B

DIEX 6021B	ilig	/ kg	Allalyze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	256	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	73.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.8	% 38.9-14	2						

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Celey D. Keine



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 14256 Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: SHS @ 1' (H211430-04)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	112	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	71.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.1	% 38.9-14	2						

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Celey D. Keene



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

# Sample ID: EHS @ 0-6" (H211430-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	224	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	73.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.8	% 38.9-14	2						

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Celey D. Keene



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301

Lovington NM, 88260 Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

# Sample ID: EHS @ 1' (H211430-06)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	74.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.5	% 38.9-14	2						

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Celey & Keene



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY

P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: WHS @ 0-6" (H211430-07)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	< 0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	75.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.8	% 38.9-14	2						

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Celey D. Keine



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301

Lovington NM, 88260 Fax To: (575) 396-1429

,

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COG - 32.12085-103.99555

# Sample ID: WHS @ 1' (H211430-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	<10.0	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	73.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.3	% 38.9-14	2						

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Celeg D. Frene



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 14256 Sample Received By:

Project Location: COG - 32.12085-103.99555

# Sample ID: SP 1 @ 0-6" (H211430-09)

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	06/07/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/07/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/07/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/07/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 %	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	8800	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	24.3	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	3040	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	514	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	90.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	143 9	% 38.9-14	12						

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# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY

P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 14256 Sample Received By:

Project Location: COG - 32.12085-103.99555

# Sample ID: SP 1 @ 1' (H211430-10)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	1800	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/05/2021	ND	222	111	200	1.24	
DRO >C10-C28*	217	10.0	06/05/2021	ND	230	115	200	3.52	
EXT DRO >C28-C36	42.2	10.0	06/05/2021	ND					
Surrogate: 1-Chlorooctane	74.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.2	% 38.9-14	2						

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# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: SP 2 @ 0-6" (H211430-11)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	2600	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2021	ND	196	98.2	200	1.10	
DRO >C10-C28*	<10.0	10.0	06/04/2021	ND	203	102	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/04/2021	ND					
Surrogate: 1-Chlorooctane	73.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.5	% 38.9-14	2						

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# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 14256 Sample Received By:

Project Location: COG - 32.12085-103.99555

# Sample ID: SP 2 @ 1' (H211430-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	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	2680	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2021	ND	196	98.2	200	1.10	
DRO >C10-C28*	<10.0	10.0	06/04/2021	ND	203	102	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/04/2021	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.6	% 38.9-14	2						

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# Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY

P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: SP 3 @ 0-6" (H211430-13)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	4400	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2021	ND	196	98.2	200	1.10	
DRO >C10-C28*	186	10.0	06/04/2021	ND	203	102	200	1.25	
EXT DRO >C28-C36	13.0	10.0	06/04/2021	ND					
Surrogate: 1-Chlorooctane	60.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.0	% 38.9-14	2						

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# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/03/2021 Sampling Date: 06/03/2021

Reported: 06/08/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: SP 3 @ 1' (H211430-14)

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	06/04/2021	ND	1.99	99.4	2.00	5.35	
Toluene*	<0.050	0.050	06/04/2021	ND	1.96	98.2	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/04/2021	ND	1.89	94.6	2.00	5.65	
Total Xylenes*	<0.150	0.150	06/04/2021	ND	5.72	95.3	6.00	4.97	
Total BTEX	<0.300	0.300	06/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 69.9-14	10						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	06/08/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2021	ND	196	98.2	200	1.10	
DRO >C10-C28*	11.2	10.0	06/04/2021	ND	203	102	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	06/04/2021	ND					
Surrogate: 1-Chlorooctane	75.2	% 44.3-13	23						
Surrogate: 1-Chlorooctadecane	74.9	% 38.9-14	12						

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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

# RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	tech Environmental & Safe		s, Inc	).		T		31	LL TO					AN	ALYS	IS RE	QUES	T	
Project Manager: 5	icel howry					P.	O. #:												
Address: P.O. Box	301					Co	ompar	ıy: (	OG										
City: Lovington	State:	NM Zip	: 88	260			tn:												
Phone #: (575) 396-	2378 Fax #:	(575) 396-	1429	)		Ac	dress	3:							1		1 1		
Project #: 14256	Project	Owner:	CO	G		Ci	ty:										1		
	e DA Federal				ton		ate:		Zip:			3	BTEX (8021B)						
Project Location: 27	.12085,-103.995	55	TV	Cov	7		none i	****			Ĕ	2	805						
Sampler Name: 100	nel Unica	-					x #:	-			Chloride	TPH (8015M)	X				1		
FOR LAB USE ONLY	side io gios		T		MATRIX		-	SERV.	SAMPLI	NG		₽	E						
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	SLUDGE OTHER:	ACID/BASE	OTHER:	DATE	TIME									
/ NH	S @ 0"6"	G			×			K	6/3/21		K	K	K						
	5 Q 1'	G			ot			ex	6/3/21		a	ac	R						
3 SHS	5 € 0'-6"	C			ď		1	1	6/3/21		K	K	K						
4 545	e 1'	0			ØC		0	×	6/3/21		K	ox	K						
5 EHS		G			at			a	6/3/21		OC	a	Or .						
6 EH	e l'	G			K		1	×	6/3/21		R	oc	A						
7 Wits	€ 0'-6"	G	1		a		3	X	6/3/21		A	or.	ge .						
8 WIT		0	1		X			a	6/3/21		X	OP.	æ						
7 50	10 0"-6"	G	1		X		1	K	6/3/21		al	a	K						
10 59	161	10	1		×			3	6/3/21		K	JE.	K						
Relinquished By:	es. Cardinel's fieldilly and client's enclusive or negligence and any offer cause viviation fields for incidental or consequented desegric related to the performance of services he Date:  [1]  [2]  [3]  [4]	ver shall be deem es, including with reunder by Cardin	ad val al, rega	red unless m milen, breibe		g and ruo me, tons faim is be	sed uppe	any of the	ne above stated re	Phone Re Fax Resu REMARK	lt:	U Ye			d'i Phon d'i Fax #				 
Relinquished By:	Date:	S	ecei	ved By		0		eu,	ege	Please e	email ı	esults	s to pm	<b>Detech</b>	env.co	m.			
Delivered By: (Cir Sampler - UPS - Bu		#,	113	Coc	Ple Cor I Inta Yes A No D	ct_			(ED BY:										

FORM-006 Revision 1.0

Received by OCD: 12/16/2021 8:35:43 AM

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

Page 18 of 18

# RDINAL LABORATORIES

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

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

Company Name	: E	tech E	nviro	nme	ental 8	Safety Solu	tions	, Inc					T			8//	L 10						ANA	LYSI	S RI	EQUE	ST		
Project Manage	r: 50	sel	h	UW	my								P.	0. #												T			
Address: P.O	. Box	301			(								Co	mp	any	: (	COG												
City: Lovingto	on				S	tate: NM	Zip	88	260				Att	tn:															
Phone #: (57	5) 396	-2378			F	ax #: (575) 3	96-1	429					Ad	Idre	<b>\$</b> S:														
Project #: 14	250	0			P	roject Owne	r:	C	00	3			Cit	ty:					1										
Project Name:	San	e f	A	Fee	dero	1 Ta	K	B	ath	ery	,		St	ate:			Zip:			TPH (8015M)	BTEX (8021B)				1				
Project Location	n: 32	2-12	080	5	- 10	03. 9953	5			1			Ph	one	#:				Chloride	801	(80								
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FOR LAB USE ONLY					,					P.G.	ATR	IX		PR	ESE	RV.	SAMPL	ING		F	6								
Lab I.D.		S	am	ple	I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	CENCOOL	OTHER:	DATE	TIME											
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PLEASE NOTE: Liability a analyses. All claims includ service in no event shall C affiliates or successors aris	ing those : ardinal be	for neglige Mable for	ace and incident	any oil d or co	her cause	e whatepover shall be tel destriges, include	doorne g vilhe	d wah et Brok	ud unio ulion, ir	nt mad	e in w interre	illing an plices,	id reci	nived b	y Car or less	dinal w	dhin 30 days all wills incurred by	or completion of client, its subsidi-	De applica siec,	bio		_		1					
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FORM-006 Revision 1.0

Received by OCD: 12/16/2021 8:35:43 AM

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



June 09, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/08/21 14:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 P.O. Box 301

Lovington NM, 88260 Fax To: (575) 396-1429

Received: 06/08/2021 Sampling Date: 06/08/2021

Reported: 06/09/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Jodi Henson

Project Location: COG - 32.12085-103.99555

# Sample ID: SP 1 @ 2' (H211476-01)

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	06/08/2021	ND	1.97	98.6	2.00	0.640	
Toluene*	<0.050	0.050	06/08/2021	ND	2.09	105	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/08/2021	ND	2.06	103	2.00	0.250	
Total Xylenes*	<0.150	0.150	06/08/2021	ND	6.20	103	6.00	0.637	
Total BTEX	<0.300	0.300	06/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	368	16.0	06/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2021	ND	193	96.4	200	2.27	
DRO >C10-C28*	<10.0	10.0	06/09/2021	ND	193	96.6	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/09/2021	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

# Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



Jodi Henson

Sample Received By:

# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301

Lovington NM, 88260 Fax To: (575) 396-1429

,

 Received:
 06/08/2021
 Sampling Date:
 06/08/2021

 Reported:
 06/09/2021
 Sampling Type:
 Soil

Reported: 06/09/2021 Sampling Type: Soil
Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact

Project Number: 14256

Project Location: COG - 32.12085-103.99555

## Sample ID: SP 2 @ 2' (H211476-02)

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	06/08/2021	ND	1.97	98.6	2.00	0.640	
Toluene*	<0.050	0.050	06/08/2021	ND	2.09	105	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/08/2021	ND	2.06	103	2.00	0.250	
Total Xylenes*	<0.150	0.150	06/08/2021	ND	6.20	103	6.00	0.637	
Total BTEX	<0.300	0.300	06/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	176	16.0	06/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/08/2021	ND	193	96.4	200	2.27	
DRO >C10-C28*	<10.0	10.0	06/08/2021	ND	193	96.6	200	4.70	
EXT DRO >C28-C36	<10.0	10.0	06/08/2021	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.3	% 38.9-14	22						

# Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 06/08/2021 Sampling Date: 06/08/2021

Reported: 06/09/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

# Sample ID: SP 3 @ 2' (H211476-03)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2021	ND	1.97	98.6	2.00	0.640	
Toluene*	<0.050	0.050	06/08/2021	ND	2.09	105	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/08/2021	ND	2.06	103	2.00	0.250	
Total Xylenes*	<0.150	0.150	06/08/2021	ND	6.20	103	6.00	0.637	
Total BTEX	<0.300	0.300	06/08/2021	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	320	16.0	06/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2021	ND	190	95.1	200	0.599	
DRO >C10-C28*	<10.0	10.0	06/09/2021	ND	193	96.3	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	06/09/2021	ND					
Surrogate: 1-Chlorooctane	84.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	82.1	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey & 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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Celey D. Keene

Page 6 of 6

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Toel Lowry	P.O. #:	
Address: P.O. Box 301	Company: COG	
City: Lovington State: NM Zip: 88260	Attn:	
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address:	
Project #: 14256 Project Owner: COG	City:	
Project Name: Save DA	State: Zip:	218 218
Project Location: —	State: Zip: ep 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	BTEX (8021B)
Sampler Name: Leo. el Mojica-	Fax #:	[ 분   전
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	F &
G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: OTHER:  THER:	
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2 SD 2 @ 2' GI X	a 6/8/21 a	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and clean's exclusive remedy for any claim arising whether based in cor analyses. All claims including those for regignerce and any other cause whatsoever shall be deemed walved unless made in will	tract or tort, shall be limited to the amount paid by the client for the pand received by Cardinal within 30 days after completion of the appli	cubio
service. In no event shall Cardinal be fields for inclaimed or consequents damages, including villous limitation, business intempt affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such or	ms, loss of use, or loss of profits incurred by client, its subsidiaries,	
Relinquished By: Date: Received By:	Phone Result: Fax Result:	☐ Yes ☐ No Add'l Phone #: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:  Apply Maich Time:  Received By:  Time:	REMARKS:	1547
Delivered By: (Circle One) Sampler - UPS - Bus - Other:  4.30 #13 Sample Cor Cool Inta PYes P	dition CHECKED BY:	results to pm@etechenv.com.

FORM-006 Revision 1.0

Received by OCD:

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



November 11, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/10/21 10:00.

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:

Received: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: DEF 1 @ 0' (H213194-01)

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	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 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	1440	16.0	11/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	83.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.3	% 38.9-14	2						

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



# Analytical Results For:

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

Fax To:

Received: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

# Sample ID: DEF 1 @ 4' (H213194-02)

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	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 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	176	16.0	11/10/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	81.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.6	% 38.9-14	2						

# Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

# Page 66 of 122

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Released to Imaging: 2/14/2022 2:08:23 PM

# ARDINAL LABORATORIES

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

(575) 393-2326 FAX (575) 393-2476  Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager:	P.O. #:	
Address: 2617 West Marland	Company (06	
City: Hobbs State: NM Zip: 88240	Attn:	
Phone #: (575) 264-9884 Fax #:	Address:	
Project #: 14256 Project Owner: COS	City:	
Project Name: Soul DA Rd   TB	State: Zip:	21B SM
Project Location: Kulal Eddy	Phone #:	Chloride TPH (8015M) BTEX (8021B)
Sampler Name: MINICC.	Fax #:	등 표 X
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	F 6
GIRAE OR (C)OMP CONTAINERS SROUNDWATER WASTEWATER SOIL DIC		
G)RAB OR (C)OH STEWATER NASTEWATER SOUL	SE:	
GISTAR GEOUNT WASTEW	ACID/BASE  THER:  THER:	
HO13194 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DATE TIME	
I DEFICO!	11/9/21	XXX
2 DEF 1841 6	7 /	XXX
PLEASE NOTE: Listify and Danages: Cardina's latify and client's exclusive remedy for any claim arising whether based in control many term. An control including some for negligance and any other cause whatevover chall be claimed whether unities made in writing a service: In or event anal Cardinat be faither for incidental or consequential damages, including without embation, business intemption.	and received by Cerdinal within 30 days after completion of t	tro supplicative
rithages or successors arrang out of or related to the performance of services hereunder by Cardinals, repardiess of whether such claim Relinquished By:  Date 1 6 0 Received By:		ie .
11/4/2	Fax Resur	t: Yes No Add'I Fax#:
17:30p	O ( )	
Relinquished By:    Date:   Received By:	(1011/2	
Timpoo Jaluara	CARANTE Please e	email copy of COC and results to pm@etechenv.com.
Delivered By: (Circle One) U.Z. C-0.5 c Sample Condi	(tnisials)	
Sampler - UPS - Bus - Other: (-0.3c #113 No 1)		

FORM-006 Revision 1.0



November 11, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/10/21 10:00.

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:

Received: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

# Sample ID: FL 3 (H213195-01)

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	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 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	11/11/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	79.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.8	% 38.9-14	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: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

# Sample ID: FL 4 (H213195-02)

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	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 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	11/11/2021	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	73.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.1	% 38.9-14	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: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

# Sample ID: FL 5 (H213195-03)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 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	256	16.0	11/11/2021	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	78.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.2	% 38.9-14	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: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

# Sample ID: FL 6 (H213195-04)

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	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 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	11/11/2021	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.5	% 38.9-14	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: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: COG - 32.12085-103.99555

ma/ka

# Sample ID: SW 2 (H213195-05)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 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	11/11/2021	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	10.5	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	78.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.2	% 38.9-14	2						

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#### Analytical Results For:

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

Fax To:

Received: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

#### Sample ID: EW 1 (H213195-06)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 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	480	16.0	11/11/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.2	% 38.9-14	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: 11/10/2021 Sampling Date: 11/09/2021

Reported: 11/11/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

#### Sample ID: EW 2 (H213195-07)

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	11/10/2021	ND	2.12	106	2.00	0.652	
Toluene*	<0.050	0.050	11/10/2021	ND	2.04	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	11/10/2021	ND	2.03	101	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/10/2021	ND	6.22	104	6.00	0.610	
Total BTEX	<0.300	0.300	11/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/11/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	223	111	200	1.89	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	212	106	200	0.995	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	84.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	82.3	% 38.9-14	2						

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Celey D. Keine



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

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Celey D. Keine

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1281

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager:	P.O. #:	
Address: 2617 West Marland	Company COG	
City: Hobbs State: NM Zip: 88240	Attn:	
Phone #: (575) 264-9884 Fax #:	Address:	
Project #: 14256 Project Owner: COS	City:	
Project Name: Saul DA Fed   TB	State: Zip:	(8021B)
Project Location: Luxal Eddy	Phone #:	Chloride EX (802
Sampler Name: MANICC.	Fax #:	Chloride TPH (8015M) BTEX (8021B
FOR LAB USE ONLY MA	RIX PRESERV. SAMPLING	
<u>0.</u> ≥		
(C)OMP ERS ATER		
Lab I.D. Sample I.D.	SOL	
G)RAB OR (C)OI SABOR (C)OI SROUNDWATER WASTEWATER SOIL	OIL SLUDGE OTHER: ACID/BASE ICE / COOL OTHER:	
	0 0 0	
1 FL3	11921	* * *
2 514		
3 765		
9 76		11111
STOWE		11,111
5 5412		11111
/ CWZ		
KAD MINIZI		
LEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based nailyses. All claims including those for negligence and any other cause whatever shall be deemed waived unless made in	n contract or tort, shall be limited to the amount paid by the crient for	for the
refract in no event shall Cardinal be liable for incidental or consequential densages, including without limitation, business ris finates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether	rruptions, loss of use, or loss of profils incurred by client, its subsidi	fiarios,
Received By:	Phone R Fax Resu	Result: Yes No Add'l Phone #:
Times 20 -	REMARK	
Relinquished By: Date: Received By:	00111	
11-10-21	41 WAALLO	
Timpoo Jellia		email copy of COC and results to pm@etechenv.com.
Cool	Condition CHECKED BY: ntact (Initials)	
Sampler - UPS - Bus - Other: -0.3e #13 No	No 40.	



November 12, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/11/21 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <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: 11/11/2021 Sampling Date: 11/10/2021

Reported: 11/12/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: DEF 3 @ 0' (H213206-01)

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	11/11/2021	ND	2.05	102	2.00	0.211	
Toluene*	<0.050	0.050	11/11/2021	ND	1.98	99.0	2.00	4.11	
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.94	97.1	2.00	5.64	
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.97	99.6	6.00	4.25	
Total BTEX	<0.300	0.300	11/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 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	4400	16.0	11/11/2021	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	11/11/2021	ND	202	101	200	3.78	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	215	108	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	85.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.7	% 38.9-14	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: 11/11/2021 Sampling Date: 11/10/2021

Reported: 11/12/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

#### Sample ID: DEF 3 @ 4' (H213206-02)

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	11/11/2021	ND	2.05	102	2.00	0.211	
Toluene*	<0.050	0.050	11/11/2021	ND	1.98	99.0	2.00	4.11	
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.94	97.1	2.00	5.64	
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.97	99.6	6.00	4.25	
Total BTEX	<0.300	0.300	11/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 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	208	16.0	11/11/2021	ND	432	108	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	11/11/2021	ND	202	101	200	3.78	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	215	108	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	81.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.6	% 38.9-14	2						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene

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 So	olutions, Inc.	BII	LL TO					ANALYSIS	REQUEST	
Project Manager:			P.O. #:								
Address. 2617 V	Vest Marland		Company	(06							
City: Hobbs	State: NM	Zip: 88240	Attn:								
Phone #: (575) 2	264-9884 Fax #:		Address:								
Project #:	154 Project Own	ner: COG	City:								
Project Name:	ENE DA FIDLI TB			Zip:		0	5M)	218			
Project Location:	Pulal Eddy		Phone #:			Chloride	801	(8021B)			
Sampler Name:	Somme Casayes		Fax #:			Chi	TPH (8015M)	BTEX			
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLI	NG		4	B			
		GW C									
		(C)C									
Lab I.D.	Sample I.D.	ADW.	ASE.								
110,00		G)RAB OR (C)OMP Y CONTAINERS BROUNDWATER WASTEWATER SOIL	OTHER:  ACID/BASE  ICE / COOL  OTHER:								
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	CAP THE		++++								
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on in no event shall Cording	so for regigence and any other cause whatsoever shall it be tiable for incidental or consequental damages, inclu- of or related to the performance of services rereunder to	ding without fimilation, business interruption	s, loss of use, or loss of pro	lills incurred by o	filmrat, its subsidiar	ries,	J465				
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FORM-006 Revision 1.0

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



November 12, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/11/21 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <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: 11/11/2021 Sampling Date: 11/10/2021

Reported: 11/12/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: FL 7 @ 2' (H213207-01)

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	11/11/2021	ND	2.05	102	2.00	0.211	
Toluene*	<0.050	0.050	11/11/2021	ND	1.98	99.0	2.00	4.11	
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.94	97.1	2.00	5.64	
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.97	99.6	6.00	4.25	
Total BTEX	<0.300	0.300	11/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/11/2021	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	11/11/2021	ND	202	101	200	3.78	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	215	108	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	86.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.0	% 38.9-14	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: 11/11/2021 Sampling Date: 11/10/2021

Reported: Sampling Type: Soil 11/12/2021

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 14256 Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: FL 8 @ 4' (H213207-02)

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	11/11/2021	ND	2.05	102	2.00	0.211	
Toluene*	<0.050	0.050	11/11/2021	ND	1.98	99.0	2.00	4.11	
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.94	97.1	2.00	5.64	
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.97	99.6	6.00	4.25	
Total BTEX	<0.300	0.300	11/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	336	16.0	11/11/2021	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	11/11/2021	ND	202	101	200	3.78	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	215	108	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	80.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.1	% 38.9-14	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: 11/11/2021 Sampling Date: 11/10/2021

Reported: 11/12/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

#### Sample ID: WW 1 (H213207-03)

BTEX 8021B

DILX GOZID	11197	ng .	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2021	ND	2.05	102	2.00	0.211	
Toluene*	<0.050	0.050	11/11/2021	ND	1.98	99.0	2.00	4.11	
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.94	97.1	2.00	5.64	
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.97	99.6	6.00	4.25	
Total BTEX	<0.300	0.300	11/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 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	304	16.0	11/11/2021	ND	432	108	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	11/11/2021	ND	202	101	200	3.78	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	215	108	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					
Surrogate: 1-Chlorooctane	80.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.5	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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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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Celeg D. Keene

### ARDINAL LABORATORIES

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 Manager:			P.O. #:	
Address: 2617 We	est Marland		Company (OG	
City: Hobbs	State: NM	Zip: 88240	Attn:	
Phone #: (575) 26	4-9884 Fax #:		Address:	
Project #: 1425	Project Owne	r: COS	City:	
Project Name:	Ub NA Fed I TB		State: Zip:	SSM)
Project Location:	Lura Eddy		Phone #:	(8021B)
	MINIC Casanos		Fax #:	Chloride   Chloride   TPH (8015M)   TEX (8021B)   Chloride   Chlor
FOR LAB USE ONLY			PRESERV. SAMPLING	Chi Chi
		MP ~		
		G)RAB OR (C)OMP # CONTAINERS SROUNDWATER WASTEWATER SOIL		
Lab I.D.	Sample I.D.	DWAT	COOL COOL ER:	
		(G)RAB OR (C)C # CONTAINERS GROUNDWATE WASTEWATER SOIL DIL	MIL STAND	
H213207		# CG GRO GRO WAS SOIL OIL		
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Conice. In no event shall Cardinal b	e for negligence and any other cause whatsoever shall be se tiable for incidental or consequental damages, includin	without limitation, business interruptions	, loss of use, or loss of profils incurred by client, its subsid	Sories,
ates or successors arising out of elinquished By:	for related to the performance of services hereunder by  Dater	Received By:	Phone R	Result: Yes No Add'l Phone #:
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2 Mildustred by.	11-11-21	August of	MalLes	Kush.
- College	Ti 20830	Mund o	Please	email copy of COC and results to pm@etechenv.com.
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ampler - UPS - Bu			5 70	
	-0.1	24/3 NO NO N	0	



November 15, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/12/21 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <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: 11/12/2021 Sampling Date: 11/11/2021

Reported: 11/15/2021 Sampling Type: Soil
Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact

Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: NW 1 (H213231-01)

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	11/12/2021	ND	2.05	102	2.00	4.81	
Toluene*	<0.050	0.050	11/12/2021	ND	1.95	97.6	2.00	3.01	
Ethylbenzene*	<0.050	0.050	11/12/2021	ND	1.94	96.9	2.00	3.26	
Total Xylenes*	<0.150	0.150	11/12/2021	ND	5.93	98.8	6.00	2.45	
Total BTEX	<0.300	0.300	11/12/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/12/2021	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	11/12/2021	ND	218	109	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/12/2021	ND	213	106	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	11/12/2021	ND					
Surrogate: 1-Chlorooctane	90.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.7	% 38.9-14	2						

#### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

- Chloride by SM4500Cl-B does not require samples be received at or below  $6^{\circ}\text{C}$ 

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

S REQUEST OF

(57:	5) 393-2326 FAX (575) 393-24	76		
Company Name: Et	tech Environmental & Safety Soluti	ons, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager:			P.O. #:	
Address: 2617 Wes	t Marland		Company COG	
City: Hobbs	State: NM	Zip: 88240	Attn:	
Phone #: (575) 264-		0 - 0	Address:	
Project #:	Project Owner	COE	City:	
Project Name: 500	ue BA, Fed 1 TB		State: Zip:	Chloride TPH (8015M) BTEX (8021B)
Project Location:	lural Eddy		Phone #:	Chloride H (8015)
Sampler Name: 📐	MINIC Casarz		Fax#:	등 표 절
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	F   m
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL		
INU	31	CIIV	11/11/21	XXX
LEASE NOTE: Liability and Daniage	es. Cardinar's liability and client's exclusive remedy for an	r dam arsing whether based in contract	or tort, shall be limited to the annount paid by the client for	The continuous and the continuou
orvice in no event shell Cardinal be l	r negligance and any other cause whateover shall be di lebte for incidental or consequental damages, including related to the performance of services frereunider by Co	althout limitation, business interruptions,	d received by Cardinal within 30 days after completion of the toex of use, or loss of profile incurred by client, its subsidier is based upon any of the above stated reasons or objectives	fox,
elinquished By: elinquished By: Delivered By: (Circ	Date	Received By:  Received By:  Sample Condit Cool Intact	Phone Re Fax Resul REMARKS  O CHECKED BY: (Initials)	sult:



November 16, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/15/21 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <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: 11/15/2021 Sampling Date: 11/12/2021

Reported: 11/16/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: FL 9 @ 4' (H213243-01)

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	11/15/2021	ND	2.01	100	2.00	5.38	
Toluene*	<0.050	0.050	11/15/2021	ND	1.91	95.5	2.00	5.76	
Ethylbenzene*	<0.050	0.050	11/15/2021	ND	1.89	94.7	2.00	5.33	
Total Xylenes*	<0.150	0.150	11/15/2021	ND	5.80	96.6	6.00	4.36	
Total BTEX	<0.300	0.300	11/15/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 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	11/15/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	205	102	200	0.886	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	82.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.9	% 38.9-14	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: 11/15/2021 Sampling Date: 11/12/2021

Reported: Sampling Type: Soil 11/16/2021

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: FL 10 @ 4' (H213243-02)

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	11/15/2021	ND	2.01	100	2.00	5.38	
Toluene*	<0.050	0.050	11/15/2021	ND	1.91	95.5	2.00	5.76	
Ethylbenzene*	<0.050	0.050	11/15/2021	ND	1.89	94.7	2.00	5.33	
Total Xylenes*	<0.150	0.150	11/15/2021	ND	5.80	96.6	6.00	4.36	
Total BTEX	<0.300	0.300	11/15/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 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	272	16.0	11/15/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	205	102	200	0.886	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	90.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.6	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



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

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Celey D. Keene

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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

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager:	P.O. #:	
Address: 2617 West Marland	Company ()G	
City: Hobbs State: NM Zip: 88240	Attn:	
Phone #: (575) 264-9884 Fex #:	Address:	
Project #: 14256 Project Owner: COG	City:	
Project Name: Saul NA Red   TB	State: Zip:	11B)
Project Location: Vusal FAdu	Phone #:	Chloride TPH (8015M) BTEX (8021B
Sampler Name: Dominic Casaret	Fax #:	H   H   H   H   H   H   H   H   H   H
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
<u>a</u>	The second second	
G)RAB OR (C)OMP  G)RAB OR (C)OMP  # CONTAINERS  GROUNDWATER  WASTEWATER SOIL		
Lab I.D. Sample I.D.	100	
HOLZARA	SLUDGE OTHER: OTHER: OTHER: OTHER:  THER: OTHER:	
H213343		
1 FL9 @ 4'	11/22	XXX
4 FL10 C41	11/12/21	XXX
10 (0)		
1810		
LEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contri	act or tort shall be fimiled to the amount paid by the cient to	r the
analyses. All claims including those for negligence and any other cause wheteoever shall be deemed welved unless made in untiling service. In no event shall Cardinal be teble for incidental or consequental damages, including without limitation, business interruption	and received by Cardinal within 30 days after completion of t	the applicable
offinates or successors arising out of or related to the performance of services nereunider by Cardinal, regardless of whether such claim Received By:    Received By:	in is based upon any of the above stated leasons or otherwing	
11/2/21	Fax Resu REMARK	ilt: Yes No Add'l Fax #:
Dance 14,300m	NEMANN.	0.1
Relinquished By: Date: 1/-/5-21 Received By:	- Makas	Kulsit'.
Time 945 Sullare	2 William JC Please 6	email copy of COC and results to pm@etechenv.com.
Delivered By: (Circle One) 4.62 C-0.52 Sample Cond	lition CHECKED BY:	the sep of the second to pring storion.
Sampler - UPS - Bus - Other:	res Tes	
7.1 E #//3 NO NO	No Y	

FORM-006 Revision 1.0



November 17, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/16/21 8:35.

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

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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: 11/16/2021 Sampling Date: 11/15/2021

Reported: 11/17/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By MC

Project Location: COG - 32.12085-103.99555

#### Sample ID: DEF 2 @ 0' (H213257-01)

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	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	< 0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	< 0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTEX	<0.300	0.300	11/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36000	16.0	11/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	1240	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	550	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	85.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	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: 11/16/2021 Sampling Date: 11/15/2021

Reported: 11/17/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: 14256 Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: DEF 2 @ 2' (H213257-02)

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	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTEX	<0.300	0.300	11/16/2021	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	448	16.0	11/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	40.5	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	37.1	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	94.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.8	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



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ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Released to Imaging: 2/14/2022 2:08:23 PM



## 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:	P.O. #:	
Address: 2617 West Marland	Company COS	
City: Hobbs State: NM Zip: 88240	Attn:	
Phone #: (575) 264-9884 Fax #:	Address:	
Project #: 14254 Project Owner: COG	City:	
Project Name: Sayle Of Sed   TB		
Project Location: United des	State: Zip: epilon   Phone #: Fax #: PRESERV SAMPLING	
Sampler Name: Name Casares	Fax #:	
FOR LAB USE ONLY MATRIX	Fax #:	
G)RAB OR (C)OMP.  **GONTAINERS**  **GONTAINERS	ACID/BASE:  OTHER:  OTHER:  OTHER:	
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( DEF 2 @ 0'   C    V	116/21 XXX	
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LEASE NOTE. Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contral		
inalyses. All ciaims including those for negligence and any other cause whatecever shell be deemed waived unless made in writing a service. In no event shell Cardinal be lebte for incidental or consequental demages, including without limitation, business interruptions	, loss of use, or loss of profils incurred by client, its subsidiaries,	
Received By:  Date:  Received By:	Phone Result:    Yes    No Add'l Phone #:	
	Fax Result:	
Relinquished By:  Date: 12 Received By:	CONTRACT DISMI	
Relinquished By:  Date: 11-16-21 Received By:  TimeCca C MILLIANA	Vldaker	
Delivered By: (Circle One) - 4161 C 0.5 Sample Condi	Please email copy of COC and results to pm@etechenv.com.	
Cool Intact	(Initials)	
Sampler - UPS - Bus - Other: -4.6e #13 No N	0 4.9 ·	

FORM-006 Revision 1.0



November 17, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/16/21 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <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: 11/16/2021 Sampling Date: 11/15/2021

Reported: 11/17/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: FL 1 @ 6' (H213258-01)

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	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTEX	<0.300	0.300	11/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	88.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.6	% 38.9-14	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: 11/16/2021 Sampling Date: 11/15/2021

Reported: 11/17/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: COG - 32.12085-103.99555

ma/ka

#### Sample ID: FL 2 @ 2' (H213258-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTEX	<0.300	0.300	11/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	480	16.0	11/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	16.9	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	83.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.9	% 38.9-14	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: 11/16/2021 Sampling Date: 11/15/2021

Reported: 11/17/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact Project Number: 14256 Sample Received By: Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: SW1 (H213258-03)

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	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTEX	<0.300	0.300	11/16/2021	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	96.0	16.0	11/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	88.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.2	% 38.9-14	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: 11/16/2021 Sampling Date: 11/15/2021

Reported: 11/17/2021 Sampling Type: Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: Cool & Intact
Project Number: 14256 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COG - 32.12085-103.99555

mg/kg

#### Sample ID: WW2 (H213258-04)

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	11/16/2021	ND	1.95	97.6	2.00	4.57	
Toluene*	<0.050	0.050	11/16/2021	ND	1.94	97.1	2.00	6.55	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.5	2.00	7.18	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.90	98.4	6.00	6.15	
Total BTEX	<0.300	0.300	11/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	736	16.0	11/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	11/16/2021	ND					
Surrogate: 1-Chlorooctane	83.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.5	% 38.9-14	2						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

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Celey D. Keine

Released to Imaging: 2/14/2022 2:08:23 PM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Envir	ronmental & Safety Solu	itions, Inc.	BI	ILL TO				ANALYSIS REQUEST
Project Manager:			P.O. #:					
Address: 2617 West Marland			Company	C06				
City: Hobbs	State: NM	<b>Zip</b> : 88240	Attn:					
Phone #: (575) 264-9884	Fax #:	A	Address:					
Project #: 14256	Project Owne	er: CO6	City:					
Project Name: SWL JA	Fed I TB		State:	Zip:	e	TPH (8015M)	(8021B)	
Project Location: Rund	day		Phone #:		Chloride	801	(80	
Sampler Name:	Casafes		Fax #:		당	H	ВТЕХ	
FOR LAB USE ONLY		MATRIX	PRESERV	SAMPLING	1	#	B	
		S S S						
1.110	1-15	G)RAB OR (C)OMP # CONTAINERS SROUNDWATER WASTEWATER SOIL						
Lab I.D. Sam	ple I.D.	B OF INDV	R: BASE SOOI					
H213258		(G)RAB (GROUNI WASTEV SOIL	SLUDGE OTHER: ACID/BASE ICE / COOL OTHER:	DATE TIME				
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**LEASE NOTE: Liability and Damages, Cardinal's lid inalyses. All claims including into 6 or negligence an ervice. In no event shell Cardinal be flable for inclains thates or successors arising out of or related to the p	d any other cause whatevever shell be hal or consequental damages, includin	deemed valved unless made in writing g without tradation, business interruption	and received by Cardinal vas, loss of use, or loss of p	within 30 days after completion of rolls incurred by client, its subsidi	the applical aries,	ble		
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Relinquished By:  Relinquished By:  Delivered By: (Circle One)	TIP835	Jamara	Widas	Please	email o	ору о	f COC a	and results to pm@etechenv.com.
Delivered By: (Circle One)		Sample Con Cool Intac	t_ (Init	(PD BY: tials)				
Sampler - UPS - Bus - Other	(-4.6c	HIIZ Fres T	Yes TO					
FORM-006 Revision 1.0	† Ca	ardinal cannot accept		Please fax written	change	es to 5	75-393-2	2476
Revision 1.0					,			
<b>2</b>								



November 18, 2021

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

RE: SAVE DA FEDERAL 1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/17/21 16:40.

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:
 11/17/2021
 Sampling Date:
 11/17/2021

 Reported:
 11/18/2021
 Sampling Type:
 Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: \*\* (See Notes)
Project Number: 14256 Sample Received By: Tamara Oldaker

A ... - L ... - - - I D. .. MC

Project Location: COG - 32.12085-103.99555

#### Sample ID: FL 1 @ 10' (H213302-01)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 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	464	16.0	11/18/2021	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	11/18/2021	ND	201	101	200	2.96	
DRO >C10-C28*	<10.0	10.0	11/18/2021	ND	223	111	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	11/18/2021	ND					
Surrogate: 1-Chlorooctane	70.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.3	% 38.9-14	2						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

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: 11/17/2021 Sampling Date: 11/17/2021 Reported: Sampling Type: 11/18/2021 Soil

Project Name: SAVE DA FEDERAL 1 TANK BATTERY Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: 14256 Tamara Oldaker

Project Location: COG - 32.12085-103.99555

#### Sample ID: WW 1 B (H213302-02)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 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	256	16.0	11/18/2021	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	11/18/2021	ND	201	101	200	2.96	
DRO >C10-C28*	<10.0	10.0	11/18/2021	ND	223	111	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	11/18/2021	ND					
Surrogate: 1-Chlorooctane	73.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.6	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

- Chloride by SM4500Cl-B does not require samples be received at or below  $6^{\circ}\text{C}$ 

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

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

# ARDINAL LABORATORIES

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST					
Project Manager: 50 e	P.O. #:						
Address: P.O. Box 301	Company: COG						
City: Lovington State: NM Zip: 88260	Attn:						
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address:						
Project #: 14256 Project Owner: COG	City:						
Project Name: Sove DA Fed 1 +B	State: Zip:	Chloride TPH (8015M) BTEX (8021B)					
Project Location: Rural Eddy	Phone #:	Chloride EX (8021					
Sampler Name: Daminic C	Fax #:	통 [ 표   표					
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING						
# CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:						
1 FLI@10	1117 425						
2 WW   B	1117 435						
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in con	rect or tort, shall be limited to the amount paid by the client for	The					
enalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writin service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interrupti	and received by Cardinal within 30 days after completion of the	ne applicable					
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such o		0.					
11-17-2	Fax Result	t: 🗆 Yes 🗆 No Add'l Fax #:					
Time: 40 Alluaro	REMARKS REMARKS						
Relinquished By:  Date: Received By:  Time:	Please el	mail results to pm@etechenv.com.					
Delivered By: (Circle One)   8.1 e   C-0.5e   Sample Con Cool Intak   Sampler - UPS - Bus - Other:   17.6 e #115   Ro	dition CHECKED BY:	Pleas					

FORM-006 Revision 1.0

Received by OCD: 12/16/2021 8:35:43 AM

## Appendix D Photographic Log

**Photo Number:** 

1

**Photo Direction:** South-Southwest

**Photo Description:** 

View of the affected area.



**Photo Number:** 

2

**Photo Direction:**Southeast

Photo Description:

View of the affected area.



**Photo Number:** 

3

Photo Direction: North

**Photo Description:** 

View of the affected area.



**Photo Number:** 

4

Photo Direction:

South

**Photo Description:** 

View of the excavated area.



Photo Number:

5

**Photo Direction:** 

East

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

6

**Photo Direction:** 

West-Southwest

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

7

**Photo Direction:**Southeast

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

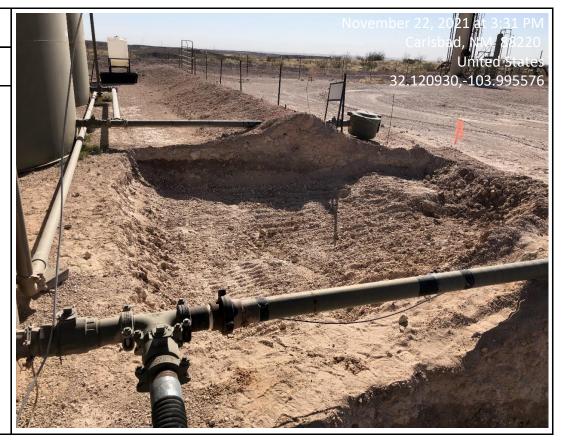
8

**Photo Direction:** 

South-Southwest

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

9

Photo Direction:

South-Southeast

**Photo Description:** 

View of the excavated area.



**Photo Number:** 

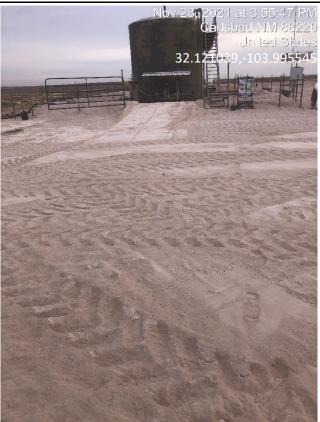
10

**Photo Direction:** 

South

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

11

**Photo Direction:** 

East

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

12

**Photo Direction:** 

East

**Photo Description:** 

View of the remediated area after backfill and regrading.



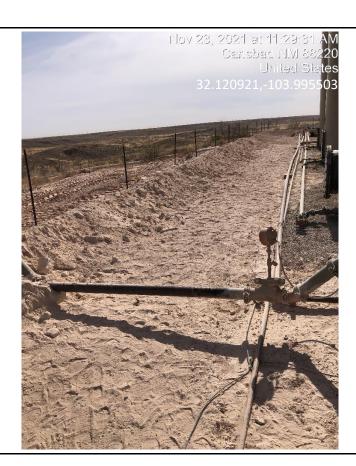
**Photo Number:** 

13

**Photo Direction:** South-Southeast

**Photo Description:** 

View of the remediated area after backfill and regrading.



**Photo Number:** 

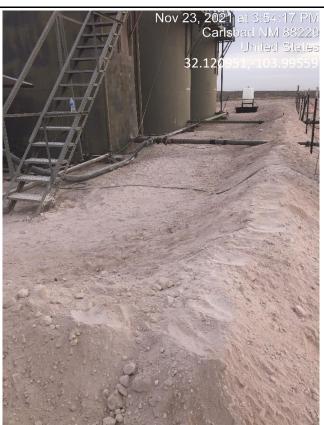
14

**Photo Direction:** 

South-Southeast

**Photo Description:** 

View of the remediated area after backfill and regrading.



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 67354

#### **CONDITIONS**

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	67354
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
chensley	Conoco Philip's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	2/14/2022