Form C-141
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State of New Mexico
Oil Conservation Division

Incident ID	nJMW1335341610
District RP	2RP-2122
Facility ID	
Application ID	

Closure

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

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

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chet Stuart Title: Manager-EHS/Operations Support

Signature: Chet Stuart Date: 4/7/21

email: cstuart@contango.com Telephone: (432)302-0538

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Brittany Hall Date: 2/10/2023

Printed Name: Brittany Hall Title: Environmental Specialist

Remediation Summary & Soil Closure Request

Contango Oil & Gas, Inc.
Kersey State Battery Historical
Eddy County, New Mexico
Unit Letter P, Section 32, Township 17 South, Range 28 East
Latitude 32.78605 North, Longitude 104.19039 West
NMOCD Reference No. 2RP-2122/nJMW1335341610

Prepared By:

Etech Environmental & Safety Solutions, Inc.
3100 Plains Highway
Lovington, New Mexico 88260

Ben J. Arguijo

Joel W. Lowry

ETECH Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Contango Oil & Gas, Inc., has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Kersey State Battery Historical (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.78605 Longitude: -104.19039

Provided GPS are in WGS84 format.

Site Name:	Kersey State Battery Historical	Site Type:	Tank Battery
Date Release Discovered:	12/12/2013	API # (if applicable):	30-015-30889

Unit Letter	Section	Township	Range	County
P	32	17S	28E	Eddy

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name COG Operating, LLC)

Nature and Volume of Release

[X] Crude Oil	Volume Released (bbls) 10	Volume Recovered (bbls) 5
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[ ] Yes [ ] No [X] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
Heater treater gasket blew out, spraying oil onto ground and some vegetation outside of berms. Picked up standing fluid.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

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 Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on December 21, 2020, a temporary monitor well was drilled on-site to fifty-five (55) feet below ground surface (bgs) in an effort to determine if shallow groundwater is present. Depth to groundwater information is provided in Appendix A. A monitor well drilling log is provided in Appendix B.

What is the shallowest depth to groundwater beneath the area affected by the release?	~107'
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☒ Yes ☐ No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on 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 Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Method	Closure Criteria	Reclamation Standard*
~107'	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

* The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas.

4.0 INITIAL SITE ASSESSMENT

On May 14, 2019, an initial site assessment was conducted by a third-party contractor. During the site assessment, twelve (12) soil samples (V1 @ Surf., V1 @ 12", V1 @ 18" R, V2 @ Surf., V2 @ 12", V2 @ 20" R, V3 @ Surf, V3 @ 12", V3 @ 24" R, V4 @ Surf, V4 @ 12", and V4 @ 16" R) were collected from within the release margins in an effort to determine the vertical extent of impacted soil. In addition, twelve (12) soil samples (NH @ Surf, NH @ 6", EH1 @ Surf, EH1 @ 6", EH2 @ Surf, EH2 @ 6", SH @ Surf, SH @ 6", WH1 @ Surf, WH1 @ 6", WH2 @ Surf, and WH2 @ 6") were collected from the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. The soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride concentrations.

Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. However, additional delineation of impacted soil affected above the NMOCD Reclamation Standard was required.

On February 25, 2020, Etech conducted a site visit. During the site visit, a hand-augered soil bore was advanced in the area characterized by sample point V1 in an effort to further investigate the vertical extent of impacted soil. The hand-aurgered soil bore was advanced to the point of refusal at approximately two (2) feet bgs. A soil sample (V1 @ 2' – R) was collected from the soil bore and submitted to a certified commercial laboratory for analysis of chloride. Laboratory analytical results indicated the chloride concentration exceeded the NMOCD Reclamation Standard, and additional vertical delineation was required.

On March 20, 2020, Etech revisited the Site. During the site visit, a test trench was advanced in the area characterized by sample point V1 in an effort to further investigate the vertical extent of impacted soil. During the advancement of the test trench, two (2) soil samples (V1 @ 3' and V1 @ 4') were collected and submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard, and the vertical extent of impacted soil was adequately defined.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment and subsequent delineation events, Contango Oil & Gas, Inc., proposed the following remediation activities designed to advance the Site toward an approved closure:

• Advance an investigative soil boring to fifty-five (55) feet bgs in an effort to determine if shallow groundwater is present.

• Further delineate the western portion of the affected area to 600 mg/kg chloride and 100 mg/kg TPH.

• Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Reclamation Standard in the area characterized by sample point V1 to an estimated depth of three (3) feet bgs.

• Advance the floor and sidewalls of the excavated area until laboratory analytical results indicate BTEX, TPH, and chloride concentrations are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

• Hand-excavate visibly impacted soil present within the earthen containment to the maximum extent practicable.

• Stockpile excavated soil on-site pending transport to an NMOCD-permitted surface waste facility for disposal.

• 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 & Soil Closure Request* detailing remediation activities and laboratory analytical results from confirmation soil samples.

• Defer reclamation of impacted soil affected above the NMOCD Reclamation Standard within the containment area until the facility is decommissioned and abandoned.

6.0 REGULATORY APPROVALS AND STIPULATIONS

On November 11, 2020**,** a *Site Assessment Report and Amended Remediation Workplan* (henceforth, "Workplan") was submitted to the NMOCD proposing remediation activities designed to advance the Site toward regulatory closure. The Workplan was subsequently approved, with the condition that a more definitive investigation of groundwater depth at the Site be conducted via the advancement of a soil boring to fifty-five (55) feet bgs.

Please reference the *Site Assessment Report and Amended Remediation Workplan* for additional details regarding site characterization and proposed remediation activities.

7.0 REMEDIATION ACTIVITIES SUMMARY

On December 12, 2020, in accordance with the NMOCD, an investigative soil boring/temporary monitor well was drilled at the Site in an effort to further investigate site characteristics and determine if shallow groundwater was present in the area. The investigative soil bore was advanced to a total depth of approximately fifty-five (55) feet bgs and left open for seventy-two (72) hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil bore or prior to plugging and abandonment. The soil boring log is provided in Appendix B.

On January 18, 2021, Etech commenced remediation activities at the Site. In accordance with the approved Workplan, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. A chloride field test kit and/or olfactory/visual senses were utilized to guide the excavation. The floor and sidewalls of the excavation were advanced until field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

A test trench was also advanced west of the inferred impacted area in an effort to further investigate the extent of impacted soil. During the advancement of the test trench, one (1) soil sample (VA1 @ 4') was collected and submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard, and the extent of impacted soil in the western portion of the release was adequately defined.

On January 20, 2021, Etech collected ten (10) confirmation soil samples (N1, N2, N3, E1, E2, E3, B1, B2, B3, and B4) from the sidewalls and floor of the excavation inside the containment area, and twelve (12) confirmation soil samples (NW1, NW2, NW3, NW4, SW1, SW2, SW3, SW4, FS1 @ 4', FS2 @ 4', FS3 @ 4', and FS4 @ 4') from the sidewalls and floor of the excavation in the adjacent pasture. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On January 21, 2021, Etech collected nine (9) confirmation soil samples (S1, S2, S3, W1, B5, B6, B7, B8, and B9) from the sidewalls and floor of the excavation inside the containment area, and two (2) confirmation soil samples (EW2 and EW3) from the sidewalls of the excavation in the adjacent pasture. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples, with the exception of soil sample S3, which exibited a concentration of GRO+DRO that exceeded the NMOCD Closure Criteria.

On January 28, 2021, the excavation inside the containment was advanced in the area characterized by soil sample S2. Etech collected a confirmation soil sample (S2) from the sidewall of the excavation and submitted it to the laboratory for analysis of chloride. Laboratory analytical results indicated the chloride concentration was below the NMOCD Closure Criteria.

On January 29, 2021, the excavation inside the containment was advanced in the areas characterized by soil samples N3 and S3. Etech collected two (2) confirmation soil samples (N3B and S3B) from the sidewalls of the excavation and submitted them to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in both of the submitted soil samples.

The final dimensions of the excavation in the containment area were approximately forty (40) feet in length, forty (40) feet in width, and six (6) inches in depth. The final dimensions of the excavation in the adjacent pasture were approximately forty-eight (48) feet in length, twelve (12) to thirty-five (35) feet in width, and four (4) feet in depth. During the course of remediation activities, approximately 220 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

A "Site & Sample Location Map" is provided as Figure 3. Soil chemistry data is summarized in Table 1. Field notes 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.

8.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area in the pasture was contoured and compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. The affected area inside the containment berm was compacted and contoured to fit the needs of the facility. Affected areas not on the production pad will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

9.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Contango Oil & Gas, Inc., provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Kersey State Battery Historical Site.

10.0 LIMITATIONS

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

This report has been prepared for the benefit of Contango Oil & Gas, Inc. Use of the information contained in this report is prohibited without the consent of Etech and/or Contango Oil & Gas, Inc.

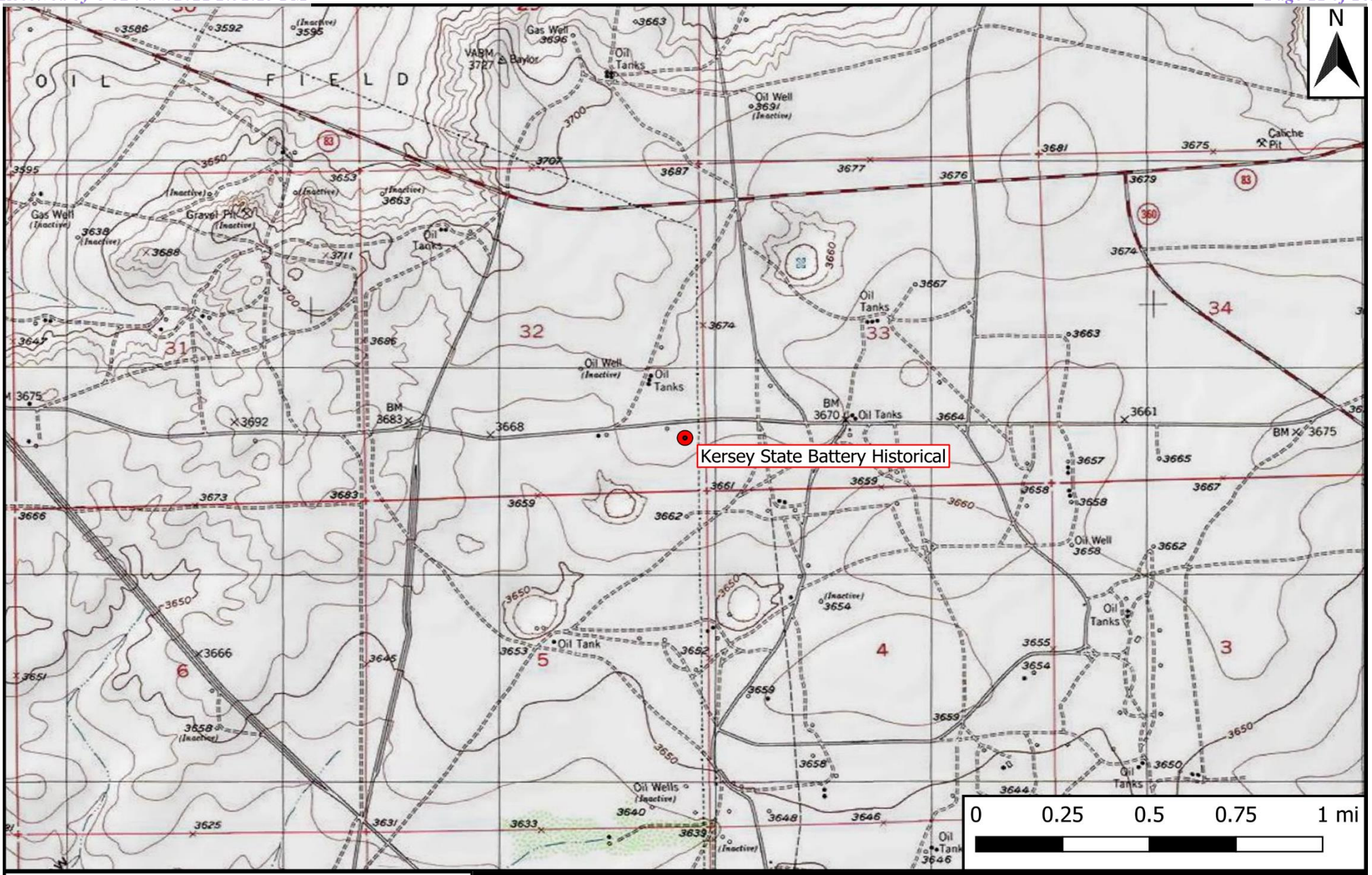
11.0 DISTRIBUTION

Contango Oil & Gas, Inc.
717 Texas Ave.
Suite 2900
Houston, TX 77002

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



Legend

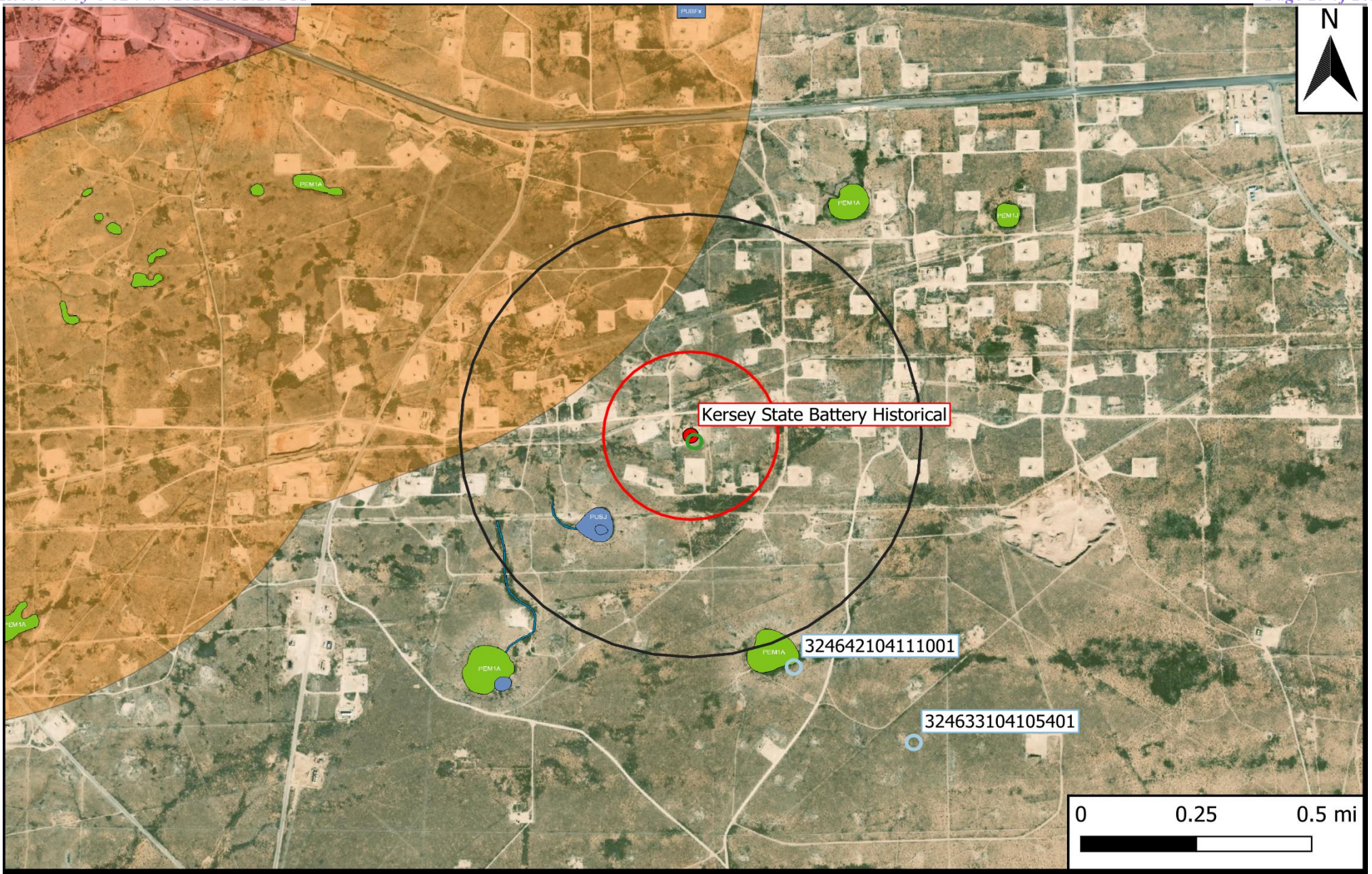
- Site Location

Figure 1
Topographic Map
Contango Oil & Gas, Inc.
Kersey State Battery Historical
GPS: 32.78605, -104.19039
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/25/21

Figure 2
Aerial Proximity Map



Legend

- Site Location
- Well - NMOSE
- Well - USGS
- Well - Investigative/Monitor
- Potash Mine Workings
- 0.5-Mi Radius
- 1,000-Ft Radius
- 1% Annual Flood Chance
- Emergent/Forested Wetlands
- Lake/Freshwater Pond
- Medium/Hight Karst
- Riverine

Figure 2
Aerial Proximity Map
Contango Oil & Gas, Inc.
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GPS: 32.78605, -104.19039
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/25/21

Figure 3
Site & Sample Location Map

Legend:

- Excavation (6")
- Excavation (4' bgs)
- Delineation Trench
- Composite Floor Sample
- Composite Wall Sample

Figure 3

Site & Sample Location Map

Contango Oil & Gas, Inc.

Kersey State Battery Historical

GPS: 32.78605, -104.19039

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/25/21

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Contango Oil & Gas, Inc.
Kersey State Battery Historical
NMOCD Ref. #: 2RP-2122/nJMW1335341610

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
Delineation											
V1 @ Surf	5/14/2019	Surf.	Excavated	ND	ND	ND	ND	ND	ND	ND	9,900
V1 @ 12"	5/14/2019	12"	Excavated	-	-	-	-	-	-	-	6,600
V1 @ 18" R	5/14/2019	18"	Excavated	ND	ND	ND	85.0	85.0	110	195	6,300
V2 @ Surf	5/14/2019	Surf.	Excavated	ND	ND	ND	ND	ND	ND	ND	19,000
V2 @ 12"	5/14/2019	12"	In-Situ	-	-	-	-	-	-	-	11,000
V2 @ 20" R	5/14/2019	20"	In-Situ	ND	ND	ND	210	210	210	420	11,000
V3 @ Surf	5/14/2019	Surf.	Excavated	ND	ND	ND	20.0	20.0	ND	20.0	6,700
V3 @ 12"	5/14/2019	12"	In-Situ	-	-	-	-	-	-	-	4,600
V3 @ 24" R	5/14/2019	24"	In-Situ	ND	ND	ND	190	190	250	440	4,200
V4 @ Surf	5/14/2019	Surf.	Excavated	ND	ND	ND	30.0	30.0	65.0	95.0	10,000
V4 @ 12"	5/14/2019	12"	In-Situ	-	-	-	-	-	-	-	5,100
V4 @ 16" R	5/14/2019	16"	In-Situ	ND	ND	ND	70.0	70.0	120	190	6,300
NH @ Surf	5/14/2019	Surf.	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
NH @ 6"	5/14/2019	6"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
EH1 @ Surf	5/14/2019	Surf.	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
EH1 @ 6"	5/14/2019	6"	In-Situ	ND	ND	ND	ND	ND	ND	ND	62.0
EH2 @ Surf	5/14/2019	Surf.	In-Situ	ND	ND	ND	ND	ND	ND	ND	200
EH2 @ 6"	5/14/2019	6"	In-Situ	ND	ND	ND	ND	ND	ND	ND	360
SH @ Surf	5/14/2019	Surf.	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SH @ 6"	5/14/2019	6"	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
WH1 @ Surf	5/14/2019	Surf.	In-Situ	ND	ND	ND	ND	ND	ND	ND	2,000
WH1 @ 6"	5/14/2019	6"	In-Situ	ND	ND	ND	ND	ND	ND	ND	550
WH2 @ Surf	5/14/2019	Surf.	In-Situ	ND	ND	ND	26.0	26.0	98.0	124	350
WH2 @ 6"	5/14/2019	6"	In-Situ	ND	ND	ND	12.0	12.0	76.0	88.0	350
V1 @ 2' - R	2/25/2020	2'	Excavated	-	-	-	-	-	-	-	4,960
V1 @ 3'	3/20/2020	3'	Excavated	-	-	-	-	-	-	-	576
V1 @ 4'	3/20/2020	4'	In-Situ	-	-	-	-	-	-	-	112
VA1 @ 4'	1/18/2021	4'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	242
Containment Area Excavation											
N1	1/20/2021	0-6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	11.0
N2	1/20/2021	0-6"	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	67.8
N3	1/20/2021	0-6"	Excavated	<0.00199	<0.00199	<50.0	848	848	257	1,110	33.2
N3B	1/29/2021	0-6"	In-Situ	-	-	<10.0	13.0	13.0	<10.0	13.0	-
E1	1/20/2021	0-6"	In-Situ	<0.00198	<0.00198	<50.0	109	109	65.6	175	25.9
E2	1/20/2021	0-6"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	131
E3	1/20/2021	0-6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	5.38
S1	1/21/2021	0-6"	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	5,450
S2	1/21/2021	0-6"	Excavated	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	11,700
S2	1/28/2021	0-6"	In-Situ	-	-	-	-	-	-	-	4,350
S3	1/21/2021	0-6"	Excavated	<0.00200	<0.00200	<49.9	1,170	**1,170**	686	1,860	1,220

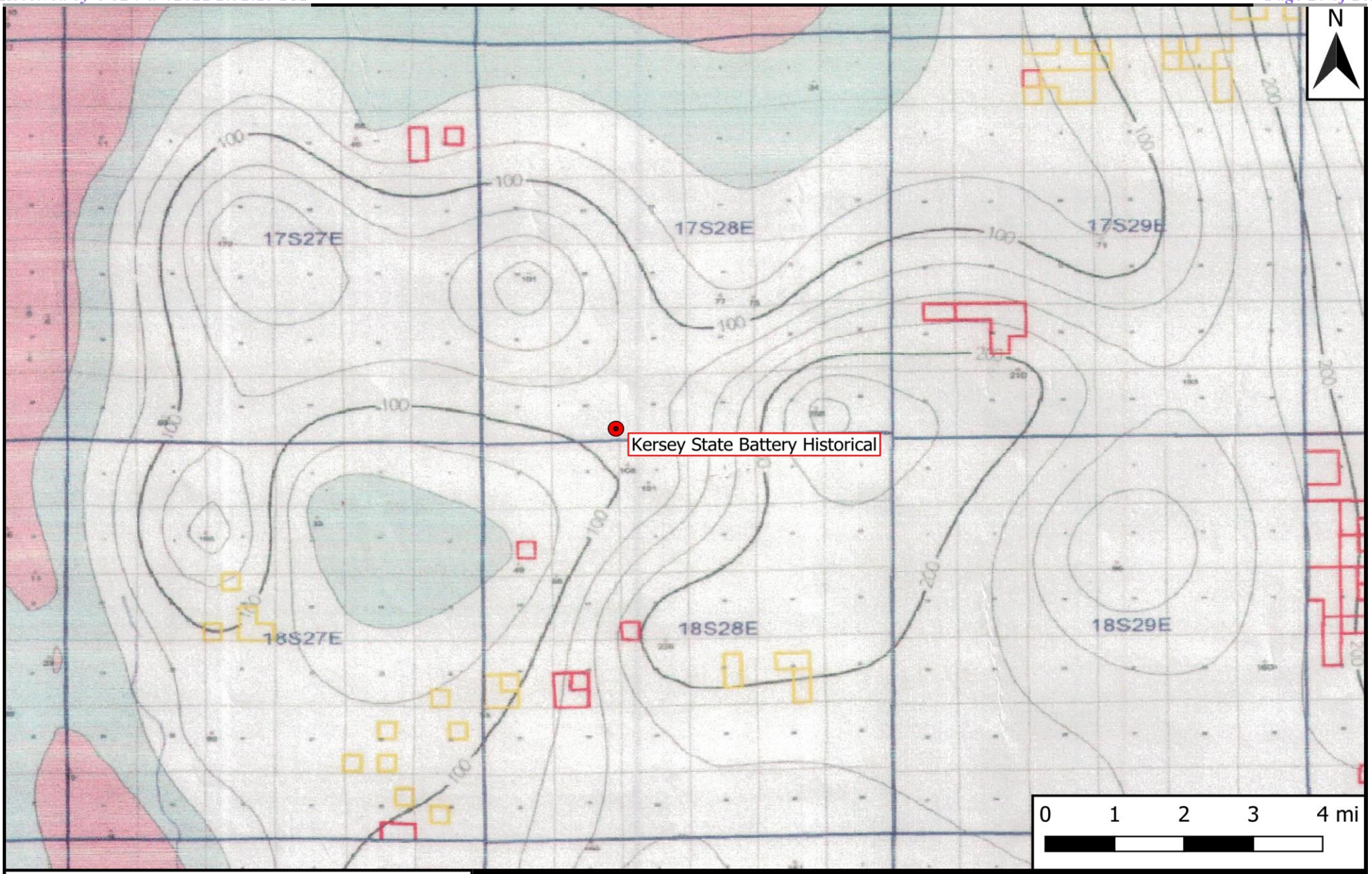
NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Contango Oil & Gas, Inc.
Kersey State Battery Historical
NMOCD Ref. #: 2RP-2122/nJMW1335341610

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
S3B	1/29/2021	0-6"	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
W1	1/21/2021	0-4'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	6,860
B1	1/20/2021	6"	In-Situ	<0.00198	<0.00198	<49.9	103	103	60.3	163	2,830
B2	1/20/2021	6"	In-Situ	<0.00198	<0.00198	<49.8	162	162	71.3	233	3,220
B3	1/20/2021	6"	In-Situ	<0.00200	<0.00200	<50.0	133	133	<50.0	133	2,920
B4	1/20/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	74.9	74.9	<50.0	74.9	1,960
B5	1/21/2021	6"	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	92.9
B6	1/21/2021	6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	139
B7	1/21/2021	6"	In-Situ	<0.00202	<0.00202	<49.9	89.6	89.6	<49.9	89.6	22.1
B8	1/21/2021	6"	In-Situ	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	67.2
B9	1/21/2021	6"	In-Situ	<0.00199	<0.00199	<49.9	57.9	57.9	<49.9	57.9	18.9
Pasture Excavation											
NW1	1/20/2021	0-4'	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	304
NW2	1/20/2021	0-4'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	41.1
NW3	1/20/2021	0-4'	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	489
NW4	1/20/2021	0-4'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	339
EW1	1/21/2021	0-4'	In-Situ	<0.00200	<0.00200	<49.9	336	336	72.2	408	2,560
EW2	1/21/2021	0-4'	In-Situ	<0.00200	<0.00200	<50.0	102	102	<50.0	102	1,130
SW1	1/20/2021	0-4'	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	507
SW2	1/20/2021	0-4'	In-Situ	<0.00202	<0.00202	<50.0	102	102	<50.0	102	352
SW3	1/20/2021	0-4'	In-Situ	<0.00199	<0.00199	<50.0	288	288	80.5	369	2,460
SW4	1/20/2021	0-4'	In-Situ	<0.00200	<0.00200	<49.9	90.7	90.7	<49.9	90.7	1,560
FS1 @ 4'	1/20/2021	4'	In-Situ	<0.00199	<0.00199	<50.0	53.7	53.7	<50.0	53.7	534
FS2 @ 4'	1/20/2021	4'	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	254
FS3 @ 4'	1/20/2021	4'	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	368
FS4 @ 4'	1/20/2021	4'	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	160

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Appendix A
Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Contango Oil & Gas, Inc.

Kersey State Battery Historical

GPS: 32.78605, -104.19039

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/25/21

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 11857 POD1		RA	ED	1	1	2	05	18S	26E	577784	3625988	2731	235	95	140

Average Depth to Water: **95 feet**

Minimum Depth: **95 feet**

Maximum Depth: **95 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 575790 **Northing (Y):** 3627854.28 **Radius:** 3220

2/12/20 10:10 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 11857 POD1	1	1	2	05	18S	26E	577784	3625988

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN

Driller Name: MARTIN, DELFORD

Drill Start Date: 09/25/2012 **Drill Finish Date:** 10/01/2012 **Plug Date:**

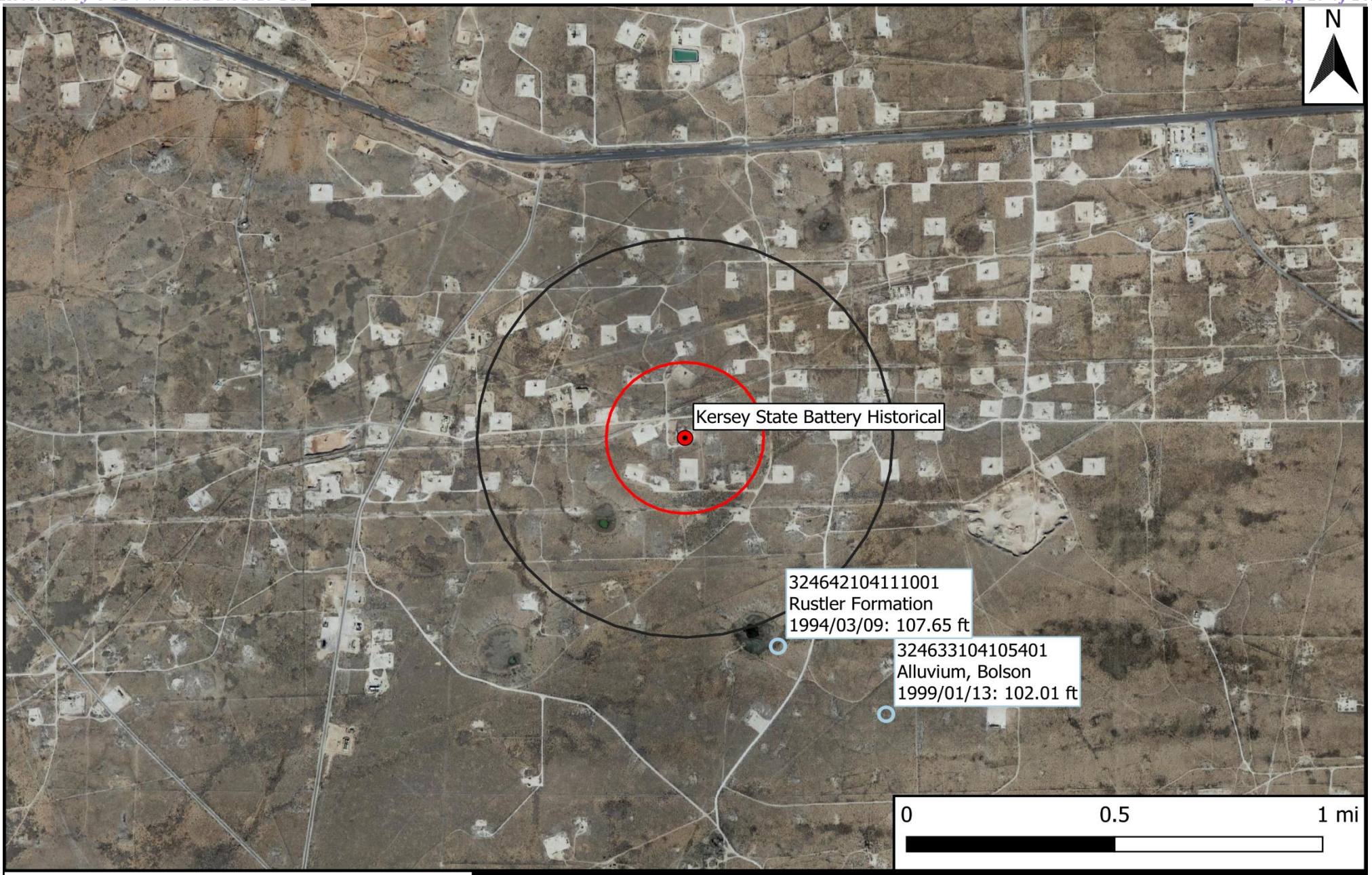
Log File Date: 10/15/2012 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 95 GPM

Casing Size: 5.00 **Depth Well:** 235 feet **Depth Water:** 95 feet

Water Bearing Stratifications:	Top	Bottom	Description
	95	130	Sandstone/Gravel/Conglomerate
	160	235	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	140	235



Legend
- Site Location
- Well - USGS
- 1,000-Ft Radius
- 0.5-Mi Radius

Figure 5
USGS Well Proximity Map
Contango Oil & Gas, Inc.
Kersey State Battery Historical
GPS: 32.78605, -104.19039
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 2/25/21

National Water Information System: Web Interface

USGS Water Resources

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

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- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324633104105401

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

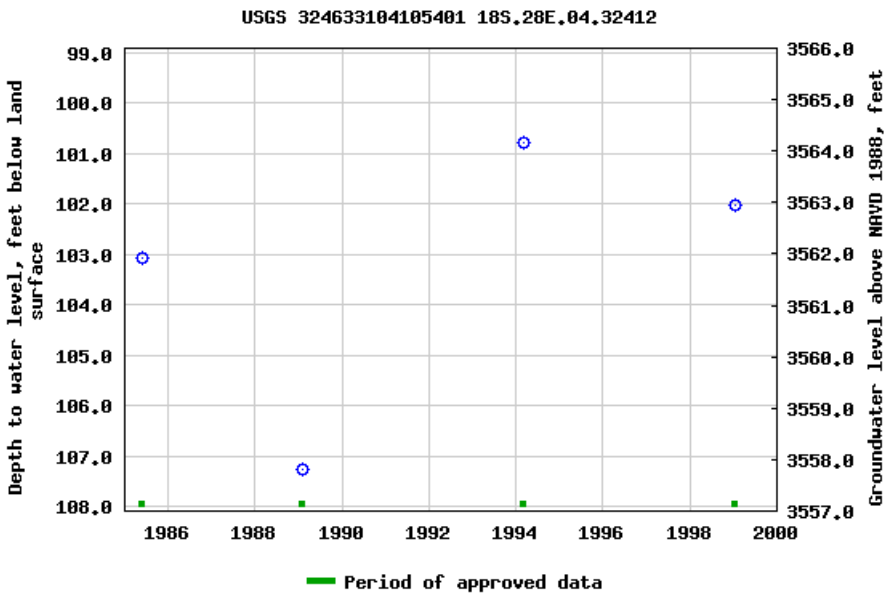
USGS 324633104105401 18S.28E.04.32412

Available data for this site: Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°46'33", Longitude 104°10'54" NAD27
Land-surface elevation 3,665 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



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

National Water Information System: Web Interface

USGS Water Resources

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

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324642104111001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

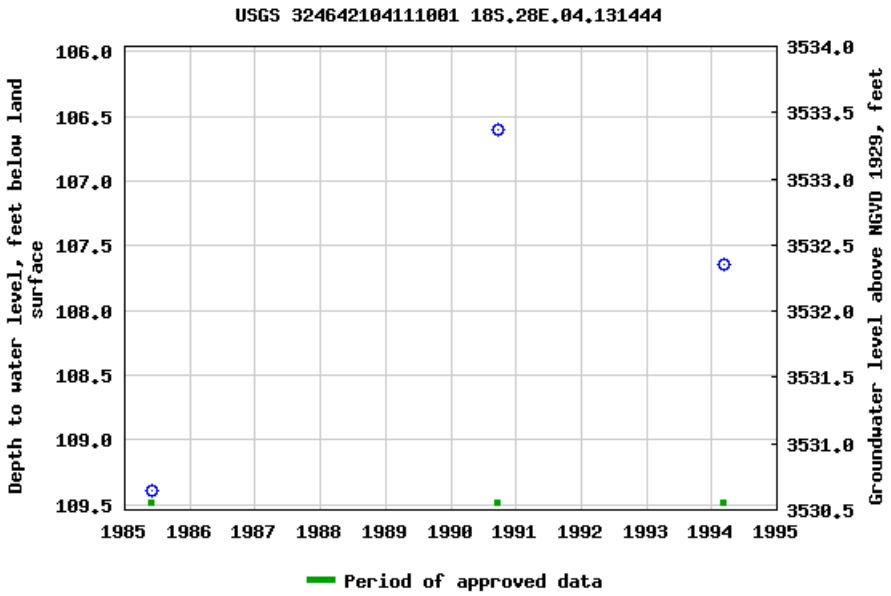
USGS 324642104111001 18S.28E.04.131444

Available data for this site: Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°46'42", Longitude 104°11'10" NAD27
Land-surface elevation 3,640 feet above NGVD29
The depth of the well is 145.00 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



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

Appendix B
Field Data & Soil Profile Logs

Site Name: Kersey State

SAMPLE LOG

Date: 5-14-19

Sample ID	Latitude	Longitude	Chloride	Odor	
V1@surf	32.78609	-104.19008	>2,428		BTEX TPH Cl
V1@ 12"					
V1@ 18"R					
V2@surf	32.78616	-104.19008	>2,428.		
V2@ 12"					
V2@ 20" R					
V3@surf	32.78626	-104.19010	>2,428		
V3@ 12"					
V3@ 24" R					
V4@surf	32.78633	-104.19006	>2,428		
V4@ 12"					
V4@ 16"R					
NH@surf	32.78641	-104.19008	<108		BTEX, TPH, Cl-
NH@ 6"					
EH1@surf	32.78615	-104.18993	<108		
EH1@6"					
EH2@surf	32.78629	-104.18996	320		
EH2@6"			2108		
SH@surf	32.78593	-104.19005	[redacted]		
SH@ 6"					
WH1@surf	32.78610	-104.19019	504		
WH1@ 6"					
WH2@surf	32.78622	-104.19023	280		
WH2@ 6"					

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 2/25/20

Project: Kersey State Battery Historical

Project Number: pending Latitude: 32.78605 Longitude: -104.19039

Sample ID	PID/Odor	Chloride Conc.	GPS
VI @ BG 0-3'	—	> 2416 12:45	
VI @ 1'	—	> 2416 12:50	
VI @ 2'-R	—	> 2416 12:55	
1-20-20			
VI at 3ft	none	2.6-7.5 = 300	
VI at 4ft	"	0.8 NO RD	

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

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Soil Profile

Date: 2/25/20

Project: Kersey State Battery Historical

Project Number: pending Latitude: 32.78605 Longitude: -104.19039

Depth (ft. bgs)	Description
surface	Caliche
2	Caliche hard rock layer

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 1/18/21

Project: Kersey State Battery Historical

Project Number: pending Latitude: 32.78605 Longitude: -104.19039

Sample ID	PID/Odor	Chloride Conc.	GPS
V2@4' ~~1/18/21~~	none	268	
V1@5½' ~~1/18/21~~	None	148	
N1 Surface	none	>120	
N3 Surface	none	>120	
E1 Surface	none	>120	
E2 Surface	none	148	
E3 Surface	none	>120	
N2 Surface	none	>120	
B1@6"	none	3252	
B2@6"	none	876	
B3@6"	none	812	
B4@6"	none	2276	
B5@6"	none	120	
B6@6"	none	184	
B7@6"	none	>120	
B8@6"	none	120	
FS1@4'	None	516	
FS2@4'	None	316	
FS3@4'	None	196	
FS4@4'	None	184	
NW1	None	364	
NW2	None	148	
NW3	None	516	
NW4	None	364	
SW1	None	572	
SW2	None	464	
SW3	None	2276	
SW4	None	1432	
B9@6"	none	>120	
W1	none	7632	
S1	none	6560	
S2	none	9,628	
S3	none	1340	
EW1	none	2736	
EW2	none	1508	
SW2	none	5316	

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

GPS Sample Points, Center of Comp Areas

Logger:	Lance Crenshaw
Driller:	Ready Drill, LLC
Consultant:	Etech Environmental
Drilling Method:	Rotary
Start Date:	December 21, 2020
End Date:	December 21, 2020

Comments: Drilled 55' bore hole to determine no groundwater in area

Drafted by: Lance Crenshaw

ETECH Environmental & Safety Solutions, Inc.

Project Name: Kersey State Battery
Well ID: NA

Location:
Lat: 32.78601
Long: -104.19064
County: Eddy
State: NM

Depth (feet)	chloride field tests	LAB	PID	Description	Lithology	Well Construction
	-	-	-			
5	-	-	-	Caliche, Sand Mix		
	-	-	-			
10	-	-	-	Rock, Caliche		
	-	-	-			
15	-	-	-	Clay		
	-	-	-			
20	-	-	-	Red Clay, Sand		
	-	-	-			
25	-	-	-	Red Clay, Sand		
	-	-	-			
30	-	-	-	Red Clay, Sand		
	-	-	-			
35	-	-	-	Red Clay		
	-	-	-			
40	-	-	-	Red Clay		
	-	-	-			
45	-	-	-	Red Clay		
	-	-	-			
50	-	-	-	Red Clay		
	-	-	-			
55	-	-	-	Red Clay		

Appendix C
Laboratory Analytical Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 28, 2019

Joel Lowry

Caprock Services, LLC
PO Box 457
Lovington, NM 88260
TEL: (575) 704-2718
FAX

RE: Kersey State Battery OrderNo.: 1905961

Dear Joel Lowry:

Hall Environmental Analysis Laboratory received 24 sample(s) on 5/18/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V1 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 9:00:00 AM
Lab ID: 1905961-001 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/22/2019 10:00:45 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/22/2019 10:00:45 AM
Surr: DNOP	110	70-130		%Rec	1	5/22/2019 10:00:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/21/2019 6:01:10 PM
Surr: BFB	88.3	73.8-119		%Rec	1	5/21/2019 6:01:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	5/21/2019 6:01:10 PM
Toluene	ND	0.049		mg/Kg	1	5/21/2019 6:01:10 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/21/2019 6:01:10 PM
Xylenes, Total	ND	0.097		mg/Kg	1	5/21/2019 6:01:10 PM
Surr: 4-Bromofluorobenzene	96.9	80-120		%Rec	1	5/21/2019 6:01:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	9900	600		mg/Kg	200	5/23/2019 4:25:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V1 @ 12"
Project: Kersey State Battery
Collection Date: 5/14/2019 9:05:00 AM
Lab ID: 1905961-002 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	6600	300		mg/Kg	100	5/24/2019 6:13:24 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V1 @ 18" R
Project: Kersey State Battery
Collection Date: 5/14/2019 9:10:00 AM
Lab ID: 1905961-003 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	85	9.6		mg/Kg	1	5/24/2019 8:27:53 PM
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	5/24/2019 8:27:53 PM
Surr: DNOP	140	70-130	S	%Rec	1	5/24/2019 8:27:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/21/2019 7:09:11 PM
Surr: BFB	85.5	73.8-119		%Rec	1	5/21/2019 7:09:11 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	5/21/2019 7:09:11 PM
Toluene	ND	0.048		mg/Kg	1	5/21/2019 7:09:11 PM
Ethylbenzene	ND	0.048		mg/Kg	1	5/21/2019 7:09:11 PM
Xylenes, Total	ND	0.097		mg/Kg	1	5/21/2019 7:09:11 PM
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	5/21/2019 7:09:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	6300	300		mg/Kg	100	5/24/2019 6:25:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V2 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 9:15:00 AM
Lab ID: 1905961-004 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/22/2019 11:29:15 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/22/2019 11:29:15 AM
Surr: DNOP	167	70-130	S	%Rec	1	5/22/2019 11:29:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/21/2019 8:16:53 PM
Surr: BFB	87.7	73.8-119		%Rec	1	5/21/2019 8:16:53 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/21/2019 8:16:53 PM
Toluene	ND	0.050		mg/Kg	1	5/21/2019 8:16:53 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/21/2019 8:16:53 PM
Xylenes, Total	ND	0.099		mg/Kg	1	5/21/2019 8:16:53 PM
Surr: 4-Bromofluorobenzene	94.7	80-120		%Rec	1	5/21/2019 8:16:53 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	19000	600		mg/Kg	200	5/24/2019 6:38:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V2 @ 12"
Project: Kersey State Battery
Collection Date: 5/14/2019 9:20:00 AM
Lab ID: 1905961-005 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	11000	600		mg/Kg	200	5/24/2019 6:50:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V2 @ 20" R
Project: Kersey State Battery
Collection Date: 5/14/2019 9:25:00 AM
Lab ID: 1905961-006 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	210	9.6		mg/Kg	1	5/24/2019 5:11:51 PM
Motor Oil Range Organics (MRO)	210	48		mg/Kg	1	5/24/2019 5:11:51 PM
Surr: DNOP	107	70-130		%Rec	1	5/24/2019 5:11:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/21/2019 8:39:30 PM
Surr: BFB	90.4	73.8-119		%Rec	1	5/21/2019 8:39:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/21/2019 8:39:30 PM
Toluene	ND	0.049		mg/Kg	1	5/21/2019 8:39:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/21/2019 8:39:30 PM
Xylenes, Total	ND	0.099		mg/Kg	1	5/21/2019 8:39:30 PM
Surr: 4-Bromofluorobenzene	97.2	80-120		%Rec	1	5/21/2019 8:39:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	11000	600		mg/Kg	200	5/24/2019 7:03:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V3 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 9:30:00 AM
Lab ID: 1905961-007 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	20	9.9		mg/Kg	1	5/24/2019 6:00:49 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/24/2019 6:00:49 PM
Surr: DNOP	113	70-130		%Rec	1	5/24/2019 6:00:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/21/2019 9:02:03 PM
Surr: BFB	89.9	73.8-119		%Rec	1	5/21/2019 9:02:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	5/21/2019 9:02:03 PM
Toluene	ND	0.048		mg/Kg	1	5/21/2019 9:02:03 PM
Ethylbenzene	ND	0.048		mg/Kg	1	5/21/2019 9:02:03 PM
Xylenes, Total	ND	0.096		mg/Kg	1	5/21/2019 9:02:03 PM
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	5/21/2019 9:02:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	6700	300		mg/Kg	100	5/24/2019 7:15:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V3 @ 12"
Project: Kersey State Battery
Collection Date: 5/14/2019 9:35:00 AM
Lab ID: 1905961-008 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	4600	150		mg/Kg	50	5/24/2019 7:27:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V3 @ 24" R
Project: Kersey State Battery
Collection Date: 5/14/2019 9:40:00 AM
Lab ID: 1905961-009 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	190	9.7		mg/Kg	1	5/24/2019 6:49:38 PM
Motor Oil Range Organics (MRO)	250	48		mg/Kg	1	5/24/2019 6:49:38 PM
Surr: DNOP	115	70-130		%Rec	1	5/24/2019 6:49:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/21/2019 9:24:36 PM
Surr: BFB	90.1	73.8-119		%Rec	1	5/21/2019 9:24:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	5/21/2019 9:24:36 PM
Toluene	ND	0.049		mg/Kg	1	5/21/2019 9:24:36 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/21/2019 9:24:36 PM
Xylenes, Total	ND	0.098		mg/Kg	1	5/21/2019 9:24:36 PM
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	5/21/2019 9:24:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	4200	150		mg/Kg	50	5/24/2019 8:05:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V4 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 9:45:00 AM
Lab ID: 1905961-010 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	30	9.9		mg/Kg	1	5/24/2019 11:43:59 PM
Motor Oil Range Organics (MRO)	65	49		mg/Kg	1	5/24/2019 11:43:59 PM
Surr: DNOP	83.8	70-130		%Rec	1	5/24/2019 11:43:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/21/2019 9:47:08 PM
Surr: BFB	91.3	73.8-119		%Rec	1	5/21/2019 9:47:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/21/2019 9:47:08 PM
Toluene	ND	0.049		mg/Kg	1	5/21/2019 9:47:08 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/21/2019 9:47:08 PM
Xylenes, Total	ND	0.098		mg/Kg	1	5/21/2019 9:47:08 PM
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	1	5/21/2019 9:47:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	10000	600		mg/Kg	200	5/24/2019 8:17:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V4 @ 12"
Project: Kersey State Battery
Collection Date: 5/14/2019 9:50:00 AM
Lab ID: 1905961-011 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	5100	300		mg/Kg	100	5/24/2019 8:29:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: V4 @16" R
Project: Kersey State Battery
Collection Date: 5/14/2019 9:55:00 AM
Lab ID: 1905961-012 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	70	9.8		mg/Kg	1	5/25/2019 12:33:01 AM
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	5/25/2019 12:33:01 AM
Surr: DNOP	143	70-130	S	%Rec	1	5/25/2019 12:33:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/21/2019 10:09:42 PM
Surr: BFB	90.6	73.8-119		%Rec	1	5/21/2019 10:09:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/21/2019 10:09:42 PM
Toluene	ND	0.050		mg/Kg	1	5/21/2019 10:09:42 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/21/2019 10:09:42 PM
Xylenes, Total	ND	0.099		mg/Kg	1	5/21/2019 10:09:42 PM
Surr: 4-Bromofluorobenzene	97.9	80-120		%Rec	1	5/21/2019 10:09:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	6300	300		mg/Kg	100	5/24/2019 8:42:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: NH @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 10:00:00 AM
Lab ID: 1905961-013 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/22/2019 2:04:00 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/22/2019 2:04:00 PM
Surr: DNOP	106	70-130		%Rec	1	5/22/2019 2:04:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/21/2019 10:32:16 PM
Surr: BFB	90.3	73.8-119		%Rec	1	5/21/2019 10:32:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/21/2019 10:32:16 PM
Toluene	ND	0.050		mg/Kg	1	5/21/2019 10:32:16 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/21/2019 10:32:16 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/21/2019 10:32:16 PM
Surr: 4-Bromofluorobenzene	97.7	80-120		%Rec	1	5/21/2019 10:32:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	59		mg/Kg	20	5/23/2019 12:18:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: NH @ 6"
Project: Kersey State Battery
Collection Date: 5/14/2019 10:05:00 AM
Lab ID: 1905961-014 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/23/2019 8:52:10 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/23/2019 8:52:10 PM
Surr: DNOP	86.7	70-130		%Rec	1	5/23/2019 8:52:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/21/2019 10:54:49 PM
Surr: BFB	89.4	73.8-119		%Rec	1	5/21/2019 10:54:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/21/2019 10:54:49 PM
Toluene	ND	0.049		mg/Kg	1	5/21/2019 10:54:49 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/21/2019 10:54:49 PM
Xylenes, Total	ND	0.099		mg/Kg	1	5/21/2019 10:54:49 PM
Surr: 4-Bromofluorobenzene	96.3	80-120		%Rec	1	5/21/2019 10:54:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	5/23/2019 12:30:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: EH 1 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 10:10:00 AM
Lab ID: 1905961-015 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/22/2019 2:48:08 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/22/2019 2:48:08 PM
Surr: DNOP	90.8	70-130		%Rec	1	5/22/2019 2:48:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/22/2019 12:02:34 AM
Surr: BFB	92.0	73.8-119		%Rec	1	5/22/2019 12:02:34 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	5/22/2019 12:02:34 AM
Toluene	ND	0.049		mg/Kg	1	5/22/2019 12:02:34 AM
Ethylbenzene	ND	0.049		mg/Kg	1	5/22/2019 12:02:34 AM
Xylenes, Total	ND	0.098		mg/Kg	1	5/22/2019 12:02:34 AM
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	5/22/2019 12:02:34 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	5/23/2019 12:42:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: EH 1 @ 6"
Project: Kersey State Battery
Collection Date: 5/14/2019 10:15:00 AM
Lab ID: 1905961-016 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/22/2019 3:10:15 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/22/2019 3:10:15 PM
Surr: DNOP	100	70-130		%Rec	1	5/22/2019 3:10:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/22/2019 12:25:16 AM
Surr: BFB	90.6	73.8-119		%Rec	1	5/22/2019 12:25:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	5/22/2019 12:25:16 AM
Toluene	ND	0.049		mg/Kg	1	5/22/2019 12:25:16 AM
Ethylbenzene	ND	0.049		mg/Kg	1	5/22/2019 12:25:16 AM
Xylenes, Total	ND	0.097		mg/Kg	1	5/22/2019 12:25:16 AM
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	5/22/2019 12:25:16 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	62	60		mg/Kg	20	5/23/2019 12:55:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: EH 2 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 10:20:00 AM
Lab ID: 1905961-017 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/23/2019 9:14:17 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/23/2019 9:14:17 PM
Surr: DNOP	70.0	70-130		%Rec	1	5/23/2019 9:14:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/22/2019 12:48:01 AM
Surr: BFB	90.4	73.8-119		%Rec	1	5/22/2019 12:48:01 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/22/2019 12:48:01 AM
Toluene	ND	0.050		mg/Kg	1	5/22/2019 12:48:01 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/22/2019 12:48:01 AM
Xylenes, Total	ND	0.10		mg/Kg	1	5/22/2019 12:48:01 AM
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	5/22/2019 12:48:01 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	200	60		mg/Kg	20	5/23/2019 1:07:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: EH 2 @ 6"
Project: Kersey State Battery
Collection Date: 5/14/2019 10:25:00 AM
Lab ID: 1905961-018 **Matrix:** SOIL
Received Date: 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/23/2019 9:36:33 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/23/2019 9:36:33 PM
Surr: DNOP	101	70-130		%Rec	1	5/23/2019 9:36:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/22/2019 1:10:50 AM
Surr: BFB	87.9	73.8-119		%Rec	1	5/22/2019 1:10:50 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/22/2019 1:10:50 AM
Toluene	ND	0.050		mg/Kg	1	5/22/2019 1:10:50 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/22/2019 1:10:50 AM
Xylenes, Total	ND	0.10		mg/Kg	1	5/22/2019 1:10:50 AM
Surr: 4-Bromofluorobenzene	95.3	80-120		%Rec	1	5/22/2019 1:10:50 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	360	60		mg/Kg	20	5/23/2019 1:20:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: SH @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 10:30:00 AM
Lab ID: 1905961-019 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/22/2019 4:16:32 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/22/2019 4:16:32 PM
Surr: DNOP	103	70-130		%Rec	1	5/22/2019 4:16:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/22/2019 1:33:40 AM
Surr: BFB	88.4	73.8-119		%Rec	1	5/22/2019 1:33:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/22/2019 1:33:40 AM
Toluene	ND	0.050		mg/Kg	1	5/22/2019 1:33:40 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/22/2019 1:33:40 AM
Xylenes, Total	ND	0.10		mg/Kg	1	5/22/2019 1:33:40 AM
Surr: 4-Bromofluorobenzene	95.3	80-120		%Rec	1	5/22/2019 1:33:40 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	5/23/2019 1:32:28 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: SH @ 6"
Project: Kersey State Battery
Collection Date: 5/14/2019 10:35:00 AM
Lab ID: 1905961-020 **Matrix:** SOIL
Received Date: 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/23/2019 9:58:54 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/23/2019 9:58:54 PM
Surr: DNOP	77.6	70-130		%Rec	1	5/23/2019 9:58:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/22/2019 1:56:28 AM
Surr: BFB	90.1	73.8-119		%Rec	1	5/22/2019 1:56:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	5/22/2019 1:56:28 AM
Toluene	ND	0.049		mg/Kg	1	5/22/2019 1:56:28 AM
Ethylbenzene	ND	0.049		mg/Kg	1	5/22/2019 1:56:28 AM
Xylenes, Total	ND	0.098		mg/Kg	1	5/22/2019 1:56:28 AM
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	5/22/2019 1:56:28 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	5/23/2019 2:34:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: WH 1 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 10:40:00 AM
Lab ID: 1905961-021 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/22/2019 5:00:41 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/22/2019 5:00:41 PM
Surr: DNOP	151	70-130	S	%Rec	1	5/22/2019 5:00:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/22/2019 2:19:16 AM
Surr: BFB	89.1	73.8-119		%Rec	1	5/22/2019 2:19:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/22/2019 2:19:16 AM
Toluene	ND	0.050		mg/Kg	1	5/22/2019 2:19:16 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/22/2019 2:19:16 AM
Xylenes, Total	ND	0.10		mg/Kg	1	5/22/2019 2:19:16 AM
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	5/22/2019 2:19:16 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	2000	60		mg/Kg	20	5/23/2019 2:46:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: WH 1 @ 6"
Project: Kersey State Battery
Collection Date: 5/14/2019 10:45:00 AM
Lab ID: 1905961-022 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/22/2019 5:23:02 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/22/2019 5:23:02 PM
Surr: DNOP	95.9	70-130		%Rec	1	5/22/2019 5:23:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/22/2019 2:42:05 AM
Surr: BFB	87.3	73.8-119		%Rec	1	5/22/2019 2:42:05 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/22/2019 2:42:05 AM
Toluene	ND	0.050		mg/Kg	1	5/22/2019 2:42:05 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/22/2019 2:42:05 AM
Xylenes, Total	ND	0.099		mg/Kg	1	5/22/2019 2:42:05 AM
Surr: 4-Bromofluorobenzene	92.9	80-120		%Rec	1	5/22/2019 2:42:05 AM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	550	60		mg/Kg	20	5/23/2019 3:48:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: WH 2 @ Surf
Project: Kersey State Battery
Collection Date: 5/14/2019 10:50:00 AM
Lab ID: 1905961-023 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	26	9.9		mg/Kg	1	5/24/2019 7:38:39 PM
Motor Oil Range Organics (MRO)	98	50		mg/Kg	1	5/24/2019 7:38:39 PM
Surr: DNOP	119	70-130		%Rec	1	5/24/2019 7:38:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/22/2019 3:04:51 AM
Surr: BFB	87.1	73.8-119		%Rec	1	5/22/2019 3:04:51 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/22/2019 3:04:51 AM
Toluene	ND	0.050		mg/Kg	1	5/22/2019 3:04:51 AM
Ethylbenzene	ND	0.050		mg/Kg	1	5/22/2019 3:04:51 AM
Xylenes, Total	ND	0.099		mg/Kg	1	5/22/2019 3:04:51 AM
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	5/22/2019 3:04:51 AM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	350	61		mg/Kg	20	5/23/2019 11:40:19 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **1905961**
Date Reported: **5/28/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Caprock Services, LLC
Client Sample ID: WH 2 @ 6"
Project: Kersey State Battery
Collection Date: 5/14/2019 10:55:00 AM
Lab ID: 1905961-024 **Matrix:** SOIL **Received Date:** 5/18/2019 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	12	9.7		mg/Kg	1	5/24/2019 9:16:54 PM
Motor Oil Range Organics (MRO)	76	49		mg/Kg	1	5/24/2019 9:16:54 PM
Surr: DNOP	122	70-130		%Rec	1	5/24/2019 9:16:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/22/2019 3:27:37 AM
Surr: BFB	88.9	73.8-119		%Rec	1	5/22/2019 3:27:37 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	5/22/2019 3:27:37 AM
Toluene	ND	0.049		mg/Kg	1	5/22/2019 3:27:37 AM
Ethylbenzene	ND	0.049		mg/Kg	1	5/22/2019 3:27:37 AM
Xylenes, Total	ND	0.099		mg/Kg	1	5/22/2019 3:27:37 AM
Surr: 4-Bromofluorobenzene	95.6	80-120		%Rec	1	5/22/2019 3:27:37 AM
EPA METHOD 300.0: ANIONS						Analyst: **smb**
Chloride	340	60		mg/Kg	20	5/23/2019 11:52:44 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905961**

28-May-19

Client: Caprock Services, LLC

Project: Kersey State Battery

Sample ID: **MB-45118** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **45118** RunNo: **60098**
Prep Date: **5/22/2019** Analysis Date: **5/22/2019** SeqNo: **2029813** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-45118** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **45118** RunNo: **60098**
Prep Date: **5/22/2019** Analysis Date: **5/22/2019** SeqNo: **2029814** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.1	90	110			

Sample ID: **MB-45141** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **45141** RunNo: **60132**
Prep Date: **5/23/2019** Analysis Date: **5/23/2019** SeqNo: **2031535** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-45141** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **45141** RunNo: **60132**
Prep Date: **5/23/2019** Analysis Date: **5/23/2019** SeqNo: **2031536** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: **MB-45137** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **45137** RunNo: **60144**
Prep Date: **5/22/2019** Analysis Date: **5/23/2019** SeqNo: **2031633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-45137** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **45137** RunNo: **60144**
Prep Date: **5/22/2019** Analysis Date: **5/23/2019** SeqNo: **2031634** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1905961**
28-May-19

Client: Caprock Services, LLC
Project: Kersey State Battery

Sample ID: **1905961-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **V1 @ Surf** Batch ID: **45080** RunNo: **60056**
Prep Date: **5/21/2019** Analysis Date: **5/22/2019** SeqNo: **2028020** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	75	9.8	49.16	5.576	141	53.5	126			S
Surr: DNOP	7.0		4.916		142	70	130			S

Sample ID: **1905961-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **V1 @ Surf** Batch ID: **45080** RunNo: **60056**
Prep Date: **5/21/2019** Analysis Date: **5/22/2019** SeqNo: **2028021** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	80	9.8	48.83	5.576	152	53.5	126	6.43	21.7	S
Surr: DNOP	8.4		4.883		172	70	130	0	0	S

Sample ID: **LCS-45080** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **45080** RunNo: **60056**
Prep Date: **5/21/2019** Analysis Date: **5/22/2019** SeqNo: **2028022** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	67	10	50.00	0	134	63.9	124			S
Surr: DNOP	6.0		5.000		120	70	130			

Sample ID: **MB-45080** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **45080** RunNo: **60056**
Prep Date: **5/21/2019** Analysis Date: **5/22/2019** SeqNo: **2028023** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: **MB-45162** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **45162** RunNo: **60130**
Prep Date: **5/23/2019** Analysis Date: **5/24/2019** SeqNo: **2031736** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905961**

28-May-19

Client: Caprock Services, LLC

Project: Kersey State Battery

Sample ID: **LCS-45162** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **45162** RunNo: **60130**

Prep Date: **5/23/2019** Analysis Date: **5/24/2019** SeqNo: **2031737** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.0	63.9	124			
Surr: DNOP	4.6		5.000		91.8	70	130			

Sample ID: **1905961-024AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **WH 2 @ 6"** Batch ID: **45162** RunNo: **60130**

Prep Date: **5/23/2019** Analysis Date: **5/24/2019** SeqNo: **2032822** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	9.9	49.65	12.21	82.9	53.5	126			
Surr: DNOP	4.6		4.965		92.5	70	130			

Sample ID: **1905961-024AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **WH 2 @ 6"** Batch ID: **45162** RunNo: **60130**

Prep Date: **5/23/2019** Analysis Date: **5/24/2019** SeqNo: **2032823** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	9.8	49.21	12.21	83.0	53.5	126	0.548	21.7	
Surr: DNOP	4.6		4.921		93.2	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1905961**
28-May-19

Client: Caprock Services, LLC
Project: Kersey State Battery

Sample ID: **MB-45028** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **45028** RunNo: **60047**
Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027163** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.8	73.8	119			

Sample ID: **LCS-45028** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **45028** RunNo: **60047**
Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027164** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.1	80.1	123			
Surr: BFB	1000		1000		99.6	73.8	119			

Sample ID: **1905961-001AMS** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **V1 @ Surf** Batch ID: **45028** RunNo: **60047**
Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027166** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.61	0	98.1	69.1	142			
Surr: BFB	1000		984.3		103	73.8	119			

Sample ID: **1905961-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **V1 @ Surf** Batch ID: **45028** RunNo: **60047**
Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027167** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.51	0	98.2	69.1	142	0.230	20	
Surr: BFB	1000		980.4		102	73.8	119	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1905961**

28-May-19

Client: Caprock Services, LLC

Project: Kersey State Battery

Sample ID: **MB-45028** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **45028** RunNo: **60047**

Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027190** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	80	120			

Sample ID: **LCS-45028** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **45028** RunNo: **60047**

Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027191** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: **1905961-003AMS** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **V1 @ 18" R** Batch ID: **45028** RunNo: **60047**

Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027194** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9699	0	113	63.9	127			
Toluene	1.1	0.048	0.9699	0.003957	117	69.9	131			
Ethylbenzene	1.1	0.048	0.9699	0.006353	116	71	132			
Xylenes, Total	3.3	0.097	2.910	0	115	71.8	131			
Surr: 4-Bromofluorobenzene	1.1		0.9699		109	80	120			

Sample ID: **1905961-003AMSD** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **V1 @ 18" R** Batch ID: **45028** RunNo: **60047**

Prep Date: **5/20/2019** Analysis Date: **5/21/2019** SeqNo: **2027195** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9718	0	88.4	63.9	127	24.3	20	R
Toluene	1.1	0.049	0.9718	0.003957	111	69.9	131	4.53	20	
Ethylbenzene	1.1	0.049	0.9718	0.006353	110	71	132	5.24	20	
Xylenes, Total	3.2	0.097	2.915	0	108	71.8	131	5.65	20	
Surr: 4-Bromofluorobenzene	1.0		0.9718		108	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **CAPROCK SERVICES, L** Work Order Number: **1905961** RcptNo: **1**

Received By: **Erin Melendrez** **5/18/2019 10:10:00 AM**

Completed By: **Erin Melendrez** **5/18/2019 2:00:08 PM** 5/20/19

Reviewed By: ENM

LB. DAD 5/20/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 5/20/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client: Caprock Services, LLC

Mailing Address: P.O. Box 457
Lovington NM 88260

Phone #: (575) 704-2718

email or Fax#: Caprockservices52@gmail.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☒ Other NMOCD Eqs
☐ EDD (Type)

Turn-Around Time: 5 day
☒ Standard ☐ Rush

Project Name: Kersey State Battery

Project #:

Project Manager: Joel Lowry

Sampler: Jordyne Taylor
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 1.6°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905961	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5-14-19	0900	soil	V1 @ surf.	402 gloss	Ice	-001	X	X					X			
	0905		V1 @ 12"			-002							X			
	0910		V1 @ 18" R			-003	X	X					X			
	0915		V2 @ surf			-004	X	X					X			
	0920		V2 @ 12"			-005							X			
	0925		V2 @ 20" R			-006	X	X					X			
	0930		V3 @ surf.			-007	X	X					X			
	0935		V3 @ 12"			-008							X			
	0940		V3 @ 24" R			-009	X	X					X			
	0945		V4 @ surf			-010	X	X					X			
	0950		V4 @ 12"			-011							X			
	0955		V4 @ 16" R			-012	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
5-15-19	0700	Jordyne Taylor			5/17/19	0700
5/17/19	1000			Courier	5/18/19	1010

Remarks: email results to: joel@lowryenvironmental.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Caprock Services, LLC

Mailing Address: P.O. Box 457
Lovington NM 88260

Phone #: (575) 704-2718

email or Fax#: Caprockservices56@gmail.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☒ Other NMOCD Eg.
☐ EDD (Type) _____

Turn-Around Time: 5 day
☒ Standard ☐ Rush

Project Name: Kersey State Battery

Project #:

Project Manager: Joel Lowry

Sampler: Jordyne Taylor
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 1.6°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 1905961	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5-14-19	1000	Soil	NH @ surf.	4oz Glass	ICE	-013	X	X					X			
	1005		NH @ 6"			-014										
	1010		EH1 @ surf.			-015										
	1015		EH1 @ 6"			-016										
	1020		EH2 @ surf.			-017										
	1025		EH2 @ 6"			-018										
	1030		SH @ surf			-019										
	1035		SH @ 6"			-020										
	1040		WH1 @ surf			-021										
	1045		WH1 @ 6"			-022										
	1050		WH2 @ surf.			-023										
	1055		WH2 @ 6"			-024										

Date	Time	Relinquished by	Received by	Via	Date	Time
5/15/19	0700	Jordyne Taylor				
5/17/19	1900			courier	5/18/19	1010

Remarks:
email results to:
joel@lowryenvironmental.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

CARDINAL Laboratories

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

February 28, 2020

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: KERSEY STATE HISTORICAL

Enclosed are the results of analyses for samples received by the laboratory on 02/26/20 8:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	02/26/2020	Sampling Date:	02/25/2020
Reported:	02/28/2020	Sampling Type:	Soil
Project Name:	KERSEY STATE HISTORICAL	Sampling Condition:	Cool & Intact
Project Number:	11986	Sample Received By:	Tamara Oldaker
Project Location:	RURAL EDDY - GRIZZLY ENERGY		

Sample ID: V1 @ 2' - R (H000614-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4960**	16.0	02/28/2020	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Vanguard/Grizzly
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Carmen Pitt
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	11986 **Project Owner:** Grizzly Energy	**City:**	
Project Name:	Kersey State Historical	**State:** **Zip:**	
Project Location:	Rural Eddy	**Phone #:**	
Sampler Name:	Matthew Grieco & Miguel Ramirez	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	**DATE**	**TIME**	Chloride	TPH (8015M)	BTEX (8021B)									
H000614																									
1	V1 @ 2' - R	G	1			X					X		2/25/20	12:55	X										

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 2/26/20 **Time:** 08:50	**Received By:**	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	**Date:** **Time:**	**Received By:**	Fax Result: ☐ Yes ☐ No Add'l Fax #:
			REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-6.8°C #113	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**

Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

March 24, 2020

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: KERSEY STATE HISTORICAL

Enclosed are the results of analyses for samples received by the laboratory on 03/23/20 15:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	03/23/2020	Sampling Date:	03/20/2020
Reported:	03/24/2020	Sampling Type:	Soil
Project Name:	KERSEY STATE HISTORICAL	Sampling Condition:	Cool & Intact
Project Number:	11986	Sample Received By:	Kelly Jacobson
Project Location:	RURAL EDDY - GRIZZLY ENERGY		

Sample ID: V1 @ 3' (H000887-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	03/24/2020	ND	432	108	400	0.00	

Sample ID: V1 @ 4' (H000887-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/24/2020	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Vanguard/Grizzly
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	Carmen Pitt
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	11986 **Project Owner:** Grizzly Energy	**City:**	
Project Name:	Kersey State Historical	**State:** **Zip:**	
Project Location:	Rural Eddy	**Phone #:**	
Sampler Name:	David Robinson	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)												
H000887																												
1	V1 @ 3'	G	1			X					X		3/20/20		X													
2	V1 @ 4'	G	1			X					X		3/20/20		X													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 3/23/20	**Received By:**	
	Time: 15:36		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One) -1.9°C
Sampler - UPS - Bus - Other: #113

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☒ Yes ☐ No	☐ Yes ☐ No	LJS

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

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Certificate of Analysis Summary 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Kersey State Battery Historical

Project Id: 11986
Contact: Joel Lowry
Project Location: Rural Eddy County, NM

Date Received in Lab: Mon 01.25.2021 10:38
Report Date: 01.29.2021 14:51
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685845-001		685845-002		685845-003		685845-004		685845-005		685845-006	
	Field Id:	NW1		NW2		NW3		NW4		FS1 @ 4'		FS2 @ 4'	
	Depth:									4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00	
	Analyzed:	01.27.2021 02:58		01.27.2021 03:19		01.27.2021 03:39		01.27.2021 04:00		01.27.2021 04:20		01.27.2021 04:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
m,p-Xylenes		<0.00400	0.00400	<0.00400	0.00400	<0.00399	0.00399	<0.00398	0.00398	<0.00398	0.00398	<0.00403	0.00403
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30	
	Analyzed:	01.26.2021 14:52		01.26.2021 15:08		01.26.2021 15:13		01.26.2021 15:18		01.26.2021 15:23		01.26.2021 15:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		304	5.02	41.1	5.03	489	24.8	339	4.97	534	4.97	254	4.97
TPH by SW8015 Mod	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.27.2021 20:06		01.27.2021 21:30		01.27.2021 21:50		01.27.2021 22:12		01.27.2021 22:32		01.27.2021 22:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	53.7	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	<49.9	49.9	<50.0	50.0	53.7	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Kersey State Battery Historical

Project Id: 11986
Contact: Joel Lowry
Project Location: Rural Eddy County, NM

Date Received in Lab: Mon 01.25.2021 10:38
Report Date: 01.29.2021 14:51
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685845-007		685845-008		685845-009		685845-010		685845-011		685845-012	
	Field Id:	FS3 @ 4'		FS4 @ 4'		EW1		EW2		SW1		SW2	
	Depth:	4- ft		4- ft									
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00	
	Analyzed:	01.27.2021 05:01		01.27.2021 05:22		01.27.2021 07:04		01.27.2021 07:25		01.27.2021 07:45		01.27.2021 02:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401	<0.00402	0.00402	<0.00404	0.00404
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202
Inorganic Anions by EPA 300	***Extracted:***	01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30	
	Analyzed:	01.26.2021 15:44		01.26.2021 15:49		01.26.2021 15:54		01.26.2021 16:00		01.26.2021 16:05		01.26.2021 16:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		368	4.97	160	4.96	2560	25.0	1130	5.05	507	5.01	352	4.96
TPH by SW8015 Mod	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.27.2021 23:14		01.27.2021 23:35		01.27.2021 23:56		01.28.2021 00:18		01.28.2021 00:39		01.28.2021 01:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	336	49.9	102	50.0	<50.0	50.0	102	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	72.2	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<49.8	49.8	<50.0	50.0	408	49.9	102	50.0	<50.0	50.0	102	50.0

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Certificate of Analysis Summary 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Kersey State Battery Historical

Project Id: 11986
Contact: Joel Lowry
Project Location: Rural Eddy County, NM

Date Received in Lab: Mon 01.25.2021 10:38
Report Date: 01.29.2021 14:51
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685845-013		685845-014		685845-015		685845-016		685845-017		685845-018	
	Field Id:	SW3		SW4		V1 @ 4'		W1		S1		S2	
	Depth:					4- ft							
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.18.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00	
	Analyzed:	01.27.2021 08:06		01.27.2021 08:26		01.27.2021 08:47		01.27.2021 09:07		01.27.2021 09:28		01.27.2021 09:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00398	0.00398	<0.00401	0.00401	<0.00404	0.00404	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:30		01.26.2021 10:45		01.26.2021 10:45	
	Analyzed:	01.26.2021 16:26		01.26.2021 16:41		01.26.2021 16:46		01.26.2021 16:52		01.26.2021 17:44		01.26.2021 17:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2460	25.0	1560	25.0	242	5.00	6860	100	5450	49.9	11700	101
TPH by SW8015 Mod	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00		01.27.2021 17:00	
	Analyzed:	01.28.2021 01:43		01.28.2021 02:04		01.28.2021 02:25		01.28.2021 02:46		01.28.2021 03:07		01.28.2021 03:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		288	50.0	90.7	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		80.5	50.0	<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0
Total TPH		369	50.0	90.7	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Kersey State Battery Historical

Project Id: 11986
Contact: Joel Lowry
Project Location: Rural Eddy County, NM

Date Received in Lab: Mon 01.25.2021 10:38
Report Date: 01.29.2021 14:51
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685845-019		685845-020		685845-021		685845-022		685845-023		685845-024	
	Field Id:	S3		E1		E2		E3		N1		N2	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.21.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00	
	Analyzed:	01.27.2021 10:08		01.27.2021 04:56		01.27.2021 05:17		01.27.2021 05:38		01.27.2021 05:58		01.27.2021 06:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00400	0.00400	<0.00397	0.00397	<0.00402	0.00402	<0.00398	0.00398	<0.00402	0.00402	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45	
	Analyzed:	01.26.2021 18:04		01.26.2021 18:10		01.26.2021 18:15		01.26.2021 18:30		01.26.2021 18:36		01.26.2021 18:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1220	25.1	25.9	5.02	131	25.0	5.38	4.98	11.0	4.99	67.8	4.99
TPH by SW8015 Mod	***Extracted:***	01.27.2021 17:00		01.27.2021 17:00		01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00	
	Analyzed:	01.28.2021 03:50		01.28.2021 04:11		01.27.2021 15:36		01.27.2021 15:57		01.27.2021 16:18		01.27.2021 16:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		1170	49.9	109	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		686	49.9	65.6	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		1860	49.9	175	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Kersey State Battery Historical

Project Id: 11986
Contact: Joel Lowry
Project Location: Rural Eddy County, NM

Date Received in Lab: Mon 01.25.2021 10:38
Report Date: 01.29.2021 14:51
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685845-025		685845-026		685845-027		685845-028		685845-029		685845-030	
	Field Id:	N3		B1		B2		B3		B4		B5	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.20.2021 00:00		01.21.2021 00:00	
BTEX by EPA 8021B	***Extracted:***	01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00	
	Analyzed:	01.27.2021 06:39		01.27.2021 07:00		01.27.2021 07:20		01.27.2021 07:41		01.27.2021 08:02		01.27.2021 09:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00396	0.00396	<0.00400	0.00400	<0.00402	0.00402	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199
Inorganic Anions by EPA 300	***Extracted:***	01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45	
	Analyzed:	01.26.2021 18:46		01.26.2021 18:51		01.26.2021 18:56		01.26.2021 19:12		01.26.2021 19:17		01.26.2021 19:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		33.2	4.99	2830	25.2	3220	24.9	2920	24.8	1960	25.0	92.9	4.97
TPH by SW8015 Mod	***Extracted:***	01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00	
	Analyzed:	01.27.2021 21:54		01.27.2021 21:13		01.27.2021 21:34		01.27.2021 20:52		01.27.2021 20:10		01.27.2021 19:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		848	50.0	103	49.9	162	49.8	133	50.0	74.9	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		257	50.0	60.3	49.9	71.3	49.8	<50.0	50.0	<50.0	50.0	<49.8	49.8
Total TPH		1110	50.0	163	49.9	233	49.8	133	50.0	74.9	50.0	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Certificate of Analysis Summary 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Kersey State Battery Historical

Project Id: 11986
Contact: Joel Lowry
Project Location: Rural Eddy County, NM

Date Received in Lab: Mon 01.25.2021 10:38
Report Date: 01.29.2021 14:51
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	685845-031		685845-032		685845-033		685845-034					
	Field Id:	B6		B7		B8		B9					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00		01.21.2021 00:00					
BTEX by EPA 8021B	***Extracted:***	01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00		01.26.2021 15:00					
	Analyzed:	01.27.2021 09:48		01.27.2021 10:09		01.27.2021 10:29		01.27.2021 10:50					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199				
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199				
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199				
m,p-Xylenes		<0.00402	0.00402	<0.00404	0.00404	<0.00402	0.00402	<0.00398	0.00398				
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199				
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199				
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201	<0.00199	0.00199				
Inorganic Anions by EPA 300	***Extracted:***	01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45		01.26.2021 10:45					
	Analyzed:	01.26.2021 19:38		01.26.2021 19:43		01.26.2021 19:48		01.26.2021 19:54					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		139	5.05	22.1	5.05	67.2	5.02	18.9	4.98				
TPH by SW8015 Mod	***Extracted:***	01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00		01.27.2021 12:00					
	Analyzed:	01.27.2021 19:28		01.27.2021 20:31		01.27.2021 17:01		01.27.2021 19:49					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	89.6	49.9	<49.8	49.8	57.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<49.9	49.9				
Total TPH		<50.0	50.0	89.6	49.9	<49.8	49.8	57.9	49.9				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 685845

for

Etech Environmental & Safety Solution, Inc

Project Manager: Joel Lowry

Kersey State Battery Historical

11986

01.29.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.29.2021

Project Manager: **Joel Lowry**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **685845**
Kersey State Battery Historical
Project Address: Rural Eddy County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 685845. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 685845 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NW1	S	01.20.2021 00:00		685845-001
NW2	S	01.20.2021 00:00		685845-002
NW3	S	01.20.2021 00:00		685845-003
NW4	S	01.20.2021 00:00		685845-004
FS1 @ 4'	S	01.20.2021 00:00	4 ft	685845-005
FS2 @ 4'	S	01.20.2021 00:00	4 ft	685845-006
FS3 @ 4'	S	01.20.2021 00:00	4 ft	685845-007
FS4 @ 4'	S	01.20.2021 00:00	4 ft	685845-008
EW1	S	01.21.2021 00:00		685845-009
EW2	S	01.21.2021 00:00		685845-010
SW1	S	01.20.2021 00:00		685845-011
SW2	S	01.20.2021 00:00		685845-012
SW3	S	01.20.2021 00:00		685845-013
SW4	S	01.20.2021 00:00		685845-014
V1 @ 4'	S	01.18.2021 00:00	4 ft	685845-015
W1	S	01.21.2021 00:00		685845-016
S1	S	01.21.2021 00:00		685845-017
S2	S	01.21.2021 00:00		685845-018
S3	S	01.21.2021 00:00		685845-019
E1	S	01.20.2021 00:00		685845-020
E2	S	01.20.2021 00:00		685845-021
E3	S	01.20.2021 00:00		685845-022
N1	S	01.20.2021 00:00		685845-023
N2	S	01.20.2021 00:00		685845-024
N3	S	01.20.2021 00:00		685845-025
B1	S	01.20.2021 00:00		685845-026
B2	S	01.20.2021 00:00		685845-027
B3	S	01.20.2021 00:00		685845-028
B4	S	01.20.2021 00:00		685845-029
B5	S	01.21.2021 00:00		685845-030
B6	S	01.21.2021 00:00		685845-031
B7	S	01.21.2021 00:00		685845-032
B8	S	01.21.2021 00:00		685845-033
B9	S	01.21.2021 00:00		685845-034

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Kersey State Battery Historical

Project ID: *11986*
Work Order Number(s): *685845*

Report Date: *01.29.2021*
Date Received: *01.25.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149026 BTEX by EPA 8021B

Lab Sample ID 685845-012 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 685845-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3149029 BTEX by EPA 8021B

Lab Sample ID 685845-020 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). o-Xylene recovered below QC limits in the Matrix Spike. Ethylbenzene, Toluene, m,p-Xylenes recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 685845-020, -021, -022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032, -033, -034.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3149366 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits Data confirmed by re-analysis. Samples affected are: 7720230-1-BKS,685827-041 S,685827-041 SD.

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 685845-025.

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-001	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**304**	5.02	mg/kg	01.26.2021 14:52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 20:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.27.2021 20:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 20:06	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.27.2021 20:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	01.27.2021 20:06	
o-Terphenyl	84-15-1	114	%	70-130	01.27.2021 20:06	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-001	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 02:58	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 02:58	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 02:58	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 02:58	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 02:58	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 02:58	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 02:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.27.2021 02:58	
4-Bromofluorobenzene	460-00-4	101	%	70-130	01.27.2021 02:58	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-002	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.1**	5.03	mg/kg	01.26.2021 15:08		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 21:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.27.2021 21:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 21:30	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.27.2021 21:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.27.2021 21:30	
o-Terphenyl	84-15-1	109	%	70-130	01.27.2021 21:30	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-002	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 03:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 03:19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 03:19	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 03:19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 03:19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 03:19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 03:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.27.2021 03:19	
4-Bromofluorobenzene	460-00-4	100	%	70-130	01.27.2021 03:19	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-003	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**489**	24.8	mg/kg	01.26.2021 15:13		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 21:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.27.2021 21:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 21:50	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.27.2021 21:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.27.2021 21:50	
o-Terphenyl	84-15-1	107	%	70-130	01.27.2021 21:50	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-003	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 03:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 03:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 03:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.27.2021 03:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 03:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 03:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 03:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.27.2021 03:39	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 03:39	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW4**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-004	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**339**	4.97	mg/kg	01.26.2021 15:18		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 22:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.27.2021 22:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 22:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.27.2021 22:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.27.2021 22:12	
o-Terphenyl	84-15-1	110	%	70-130	01.27.2021 22:12	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**NW4**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-004	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 04:00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 04:00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 04:00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 04:00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 04:00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 04:00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 04:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.27.2021 04:00	
4-Bromofluorobenzene	460-00-4	100	%	70-130	01.27.2021 04:00	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**FS1 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-005	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**534**	4.97	mg/kg	01.26.2021 15:23		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 22:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	**53.7**	50.0	mg/kg	01.27.2021 22:32		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 22:32	U	1
Total TPH	PHC635	**53.7**	50.0	mg/kg	01.27.2021 22:32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.27.2021 22:32	
o-Terphenyl	84-15-1	102	%	70-130	01.27.2021 22:32	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**FS1 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-005	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 04:20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 04:20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 04:20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 04:20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 04:20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 04:20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 04:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.27.2021 04:20	
4-Bromofluorobenzene	460-00-4	100	%	70-130	01.27.2021 04:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**FS2 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-006	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**254**	4.97	mg/kg	01.26.2021 15:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 22:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.27.2021 22:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 22:53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.27.2021 22:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.27.2021 22:53	
o-Terphenyl	84-15-1	109	%	70-130	01.27.2021 22:53	

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Kersey State Battery Historical

Sample Id:	**FS2 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-006	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.27.2021 04:41	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.27.2021 04:41	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.27.2021 04:41	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.27.2021 04:41	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.27.2021 04:41	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.27.2021 04:41	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.27.2021 04:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	01.27.2021 04:41	
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.27.2021 04:41	

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Kersey State Battery Historical

Sample Id:	**FS3 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-007	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**368**	4.97	mg/kg	01.26.2021 15:44		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.27.2021 23:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.27.2021 23:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.27.2021 23:14	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.27.2021 23:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.27.2021 23:14	
o-Terphenyl	84-15-1	102	%	70-130	01.27.2021 23:14	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**FS3 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-007	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 05:01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 05:01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 05:01	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 05:01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 05:01	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 05:01	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 05:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.27.2021 05:01	
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.27.2021 05:01	

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Kersey State Battery Historical

Sample Id:	**FS4 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-008	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**160**	4.96	mg/kg	01.26.2021 15:49		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 23:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.27.2021 23:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 23:35	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.27.2021 23:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.27.2021 23:35	
o-Terphenyl	84-15-1	99	%	70-130	01.27.2021 23:35	

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Kersey State Battery Historical

Sample Id:	**FS4 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-008	Date Collected:	01.20.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 05:22	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 05:22	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 05:22	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 05:22	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 05:22	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 05:22	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 05:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 05:22	
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.27.2021 05:22	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**EW1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-009	Date Collected:	01.21.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2560**	25.0	mg/kg	01.26.2021 15:54		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 23:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	**336**	49.9	mg/kg	01.27.2021 23:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**72.2**	49.9	mg/kg	01.27.2021 23:56		1
Total TPH	PHC635	**408**	49.9	mg/kg	01.27.2021 23:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	01.27.2021 23:56	
o-Terphenyl	84-15-1	105	%	70-130	01.27.2021 23:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**EW1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-009	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 07:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 07:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 07:04	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.27.2021 07:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 07:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 07:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 07:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	01.27.2021 07:04	
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.27.2021 07:04	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-010	Date Collected:	01.21.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1130**	5.05	mg/kg	01.26.2021 16:00		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 00:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	**102**	50.0	mg/kg	01.28.2021 00:18		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 00:18	U	1
Total TPH	PHC635	**102**	50.0	mg/kg	01.28.2021 00:18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.28.2021 00:18	
o-Terphenyl	84-15-1	105	%	70-130	01.28.2021 00:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**EW2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-010	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 07:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 07:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 07:25	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.27.2021 07:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 07:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 07:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 07:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 07:25	
4-Bromofluorobenzene	460-00-4	98	%	70-130	01.27.2021 07:25	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**SW1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-011	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**507**	5.01	mg/kg	01.26.2021 16:05		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 00:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 00:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 00:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 00:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	01.28.2021 00:39	
o-Terphenyl	84-15-1	122	%	70-130	01.28.2021 00:39	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**SW1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-011	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 07:45	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.27.2021 07:45	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.27.2021 07:45	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.27.2021 07:45	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.27.2021 07:45	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.27.2021 07:45	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.27.2021 07:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	01.27.2021 07:45	
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.27.2021 07:45	

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Kersey State Battery Historical

Sample Id:	**SW2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-012	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**352**	4.96	mg/kg	01.26.2021 16:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 01:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	**102**	50.0	mg/kg	01.28.2021 01:21		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 01:21	U	1
Total TPH	PHC635	**102**	50.0	mg/kg	01.28.2021 01:21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.28.2021 01:21	
o-Terphenyl	84-15-1	110	%	70-130	01.28.2021 01:21	

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Kersey State Battery Historical

Sample Id:	**SW2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-012	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.27.2021 02:38	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.27.2021 02:38	UX	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.27.2021 02:38	UX	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.27.2021 02:38	UX	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.27.2021 02:38	UX	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.27.2021 02:38	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.27.2021 02:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 02:38	
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.27.2021 02:38	

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Kersey State Battery Historical

Sample Id:	**SW3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-013	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2460**	25.0	mg/kg	01.26.2021 16:26		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 01:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	**288**	50.0	mg/kg	01.28.2021 01:43		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**80.5**	50.0	mg/kg	01.28.2021 01:43		1
Total TPH	PHC635	**369**	50.0	mg/kg	01.28.2021 01:43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.28.2021 01:43	
o-Terphenyl	84-15-1	105	%	70-130	01.28.2021 01:43	

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Kersey State Battery Historical

Sample Id:	**SW3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-013	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 08:06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 08:06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 08:06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 08:06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 08:06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 08:06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 08:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 08:06	
4-Bromofluorobenzene	460-00-4	100	%	70-130	01.27.2021 08:06	

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Kersey State Battery Historical

Sample Id:	**SW4**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-014	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1560**	25.0	mg/kg	01.26.2021 16:41		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 02:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	**90.7**	49.9	mg/kg	01.28.2021 02:04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 02:04	U	1
Total TPH	PHC635	**90.7**	49.9	mg/kg	01.28.2021 02:04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.28.2021 02:04	
o-Terphenyl	84-15-1	108	%	70-130	01.28.2021 02:04	

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Kersey State Battery Historical

Sample Id:	**SW4**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-014	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 08:26	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 08:26	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 08:26	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 08:26	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 08:26	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 08:26	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 08:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.27.2021 08:26	
4-Bromofluorobenzene	460-00-4	99	%	70-130	01.27.2021 08:26	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**V1 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-015	Date Collected:	01.18.2021 00:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**242**	5.00	mg/kg	01.26.2021 16:46		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 02:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 02:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 02:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 02:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	01.28.2021 02:25	
o-Terphenyl	84-15-1	103	%	70-130	01.28.2021 02:25	

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Kersey State Battery Historical

Sample Id:	**V1 @ 4'**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-015	Date Collected:	01.18.2021 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 08:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 08:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 08:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 08:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 08:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 08:47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 08:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 08:47	
4-Bromofluorobenzene	460-00-4	101	%	70-130	01.27.2021 08:47	

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Kersey State Battery Historical

Sample Id:	**W1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-016	Date Collected:	01.21.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:30	% Moisture:	
Seq Number:	3149070			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6860**	100	mg/kg	01.26.2021 16:52		20

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 02:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.28.2021 02:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.28.2021 02:46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.28.2021 02:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.28.2021 02:46	
o-Terphenyl	84-15-1	102	%	70-130	01.28.2021 02:46	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**W1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-016	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 09:07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 09:07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 09:07	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.27.2021 09:07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 09:07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 09:07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 09:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	01.27.2021 09:07	
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.27.2021 09:07	

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Kersey State Battery Historical

Sample Id:	**S1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-017	Date Collected:	01.21.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5450**	49.9	mg/kg	01.26.2021 17:44		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 03:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 03:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 03:07	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 03:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.28.2021 03:07	
o-Terphenyl	84-15-1	100	%	70-130	01.28.2021 03:07	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**S1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-017	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.27.2021 09:28	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.27.2021 09:28	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.27.2021 09:28	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.27.2021 09:28	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.27.2021 09:28	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.27.2021 09:28	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.27.2021 09:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	01.27.2021 09:28	
4-Bromofluorobenzene	460-00-4	99	%	70-130	01.27.2021 09:28	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**S2**	Matrix: Soil	Date Received:01.25.2021 10:38
Lab Sample Id:	685845-018	Date Collected: 01.21.2021 00:00	

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture: Basis:	Wet Weight
Seq Number:	3149071				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11700**	101	mg/kg	01.26.2021 17:59		20

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture: Basis:	Wet Weight
Seq Number:	3149223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 03:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.28.2021 03:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.28.2021 03:29	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.28.2021 03:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	01.28.2021 03:29	
o-Terphenyl	84-15-1	102	%	70-130	01.28.2021 03:29	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**S2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-018	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 09:48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 09:48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 09:48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 09:48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 09:48	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 09:48	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 09:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	01.27.2021 09:48	
1,4-Difluorobenzene	540-36-3	96	%	70-130	01.27.2021 09:48	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**S3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-019	Date Collected:	01.21.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1220**	25.1	mg/kg	01.26.2021 18:04		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.28.2021 03:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	**1170**	49.9	mg/kg	01.28.2021 03:50		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**686**	49.9	mg/kg	01.28.2021 03:50		1
Total TPH	PHC635	**1860**	49.9	mg/kg	01.28.2021 03:50		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	01.28.2021 03:50	
o-Terphenyl	84-15-1	100	%	70-130	01.28.2021 03:50	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**S3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-019	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149026			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 10:08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 10:08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 10:08	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 10:08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 10:08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 10:08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 10:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.27.2021 10:08	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.27.2021 10:08	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**E1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-020	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**25.9**	5.02	mg/kg	01.26.2021 18:10		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 17:00	% Moisture:	
Seq Number:	3149223			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.28.2021 04:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	**109**	50.0	mg/kg	01.28.2021 04:11		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**65.6**	50.0	mg/kg	01.28.2021 04:11		1
Total TPH	PHC635	**175**	50.0	mg/kg	01.28.2021 04:11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	01.28.2021 04:11	
o-Terphenyl	84-15-1	114	%	70-130	01.28.2021 04:11	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**E1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-020	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.27.2021 04:56	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.27.2021 04:56	UX	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.27.2021 04:56	UX	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.27.2021 04:56	UX	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.27.2021 04:56	UX	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.27.2021 04:56	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.27.2021 04:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	01.27.2021 04:56	
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.27.2021 04:56	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**E2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-021	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**131**	25.0	mg/kg	01.26.2021 18:15		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 15:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.27.2021 15:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 15:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.27.2021 15:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	01.27.2021 15:36	
o-Terphenyl	84-15-1	111	%	70-130	01.27.2021 15:36	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**E2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-021	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 05:17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.27.2021 05:17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.27.2021 05:17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.27.2021 05:17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.27.2021 05:17	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.27.2021 05:17	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.27.2021 05:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.27.2021 05:17	
1,4-Difluorobenzene	540-36-3	115	%	70-130	01.27.2021 05:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**E3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-022	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.38**	4.98	mg/kg	01.26.2021 18:30		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 15:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.27.2021 15:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 15:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.27.2021 15:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	01.27.2021 15:57	
o-Terphenyl	84-15-1	97	%	70-130	01.27.2021 15:57	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**E3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-022	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 05:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 05:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 05:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 05:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 05:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 05:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 05:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.27.2021 05:38	
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.27.2021 05:38	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**N1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-023	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.0**	4.99	mg/kg	01.26.2021 18:36		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 16:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.27.2021 16:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 16:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.27.2021 16:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.27.2021 16:18	
o-Terphenyl	84-15-1	95	%	70-130	01.27.2021 16:18	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**N1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-023	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 05:58	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.27.2021 05:58	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.27.2021 05:58	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.27.2021 05:58	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.27.2021 05:58	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.27.2021 05:58	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.27.2021 05:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	127	%	70-130	01.27.2021 05:58	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.27.2021 05:58	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**N2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-024	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**67.8**	4.99	mg/kg	01.26.2021 18:41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 16:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.27.2021 16:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 16:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.27.2021 16:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	01.27.2021 16:39	
o-Terphenyl	84-15-1	95	%	70-130	01.27.2021 16:39	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**N2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-024	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 06:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 06:19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 06:19	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.27.2021 06:19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 06:19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 06:19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 06:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.27.2021 06:19	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.27.2021 06:19	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**N3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-025	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**33.2**	4.99	mg/kg	01.26.2021 18:46		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 21:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	**848**	50.0	mg/kg	01.27.2021 21:54		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**257**	50.0	mg/kg	01.27.2021 21:54		1
Total TPH	PHC635	**1110**	50.0	mg/kg	01.27.2021 21:54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	01.27.2021 21:54	
o-Terphenyl	84-15-1	143	%	70-130	01.27.2021 21:54	**

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Kersey State Battery Historical

Sample Id:	**N3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-025	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 06:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 06:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 06:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 06:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 06:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 06:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 06:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.27.2021 06:39	
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.27.2021 06:39	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-026	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2830**	25.2	mg/kg	01.26.2021 18:51		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 21:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	**103**	49.9	mg/kg	01.27.2021 21:13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**60.3**	49.9	mg/kg	01.27.2021 21:13		1
Total TPH	PHC635	**163**	49.9	mg/kg	01.27.2021 21:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	01.27.2021 21:13	
o-Terphenyl	84-15-1	109	%	70-130	01.27.2021 21:13	

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Kersey State Battery Historical

Sample Id:	**B1**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-026	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.27.2021 07:00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.27.2021 07:00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.27.2021 07:00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.27.2021 07:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.27.2021 07:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.27.2021 07:00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.27.2021 07:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	01.27.2021 07:00	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.27.2021 07:00	

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Kersey State Battery Historical

Sample Id:	**B2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-027	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3220**	24.9	mg/kg	01.26.2021 18:56		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.27.2021 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	**162**	49.8	mg/kg	01.27.2021 21:34		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**71.3**	49.8	mg/kg	01.27.2021 21:34		1
Total TPH	PHC635	**233**	49.8	mg/kg	01.27.2021 21:34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	01.27.2021 21:34	
o-Terphenyl	84-15-1	102	%	70-130	01.27.2021 21:34	

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Kersey State Battery Historical

Sample Id:	**B2**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-027	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.27.2021 07:20	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.27.2021 07:20	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.27.2021 07:20	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.27.2021 07:20	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.27.2021 07:20	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.27.2021 07:20	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.27.2021 07:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	01.27.2021 07:20	
1,4-Difluorobenzene	540-36-3	115	%	70-130	01.27.2021 07:20	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-028	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2920**	24.8	mg/kg	01.26.2021 19:12		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 20:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	**133**	50.0	mg/kg	01.27.2021 20:52		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 20:52	U	1
Total TPH	PHC635	**133**	50.0	mg/kg	01.27.2021 20:52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	01.27.2021 20:52	
o-Terphenyl	84-15-1	102	%	70-130	01.27.2021 20:52	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B3**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-028	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.27.2021 07:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.27.2021 07:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.27.2021 07:41	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.27.2021 07:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.27.2021 07:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.27.2021 07:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.27.2021 07:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	01.27.2021 07:41	
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.27.2021 07:41	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B4**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-029	Date Collected:	01.20.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1960**	25.0	mg/kg	01.26.2021 19:17		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 20:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	**74.9**	50.0	mg/kg	01.27.2021 20:10		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 20:10	U	1
Total TPH	PHC635	**74.9**	50.0	mg/kg	01.27.2021 20:10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	01.27.2021 20:10	
o-Terphenyl	84-15-1	103	%	70-130	01.27.2021 20:10	

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Kersey State Battery Historical

Sample Id:	**B4**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-029	Date Collected:	01.20.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 08:02	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.27.2021 08:02	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.27.2021 08:02	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.27.2021 08:02	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.27.2021 08:02	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.27.2021 08:02	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.27.2021 08:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.27.2021 08:02	
1,4-Difluorobenzene	540-36-3	117	%	70-130	01.27.2021 08:02	

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Kersey State Battery Historical

Sample Id: **B5** Matrix: Soil Date Received:01.25.2021 10:38

Lab Sample Id: 685845-030 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 01.26.2021 10:45 % Moisture:

Seq Number: 3149071 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**92.9**	4.97	mg/kg	01.26.2021 19:33		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 12:00 % Moisture:

Seq Number: 3149366 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.27.2021 19:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.27.2021 19:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.27.2021 19:07	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.27.2021 19:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	01.27.2021 19:07	
o-Terphenyl	84-15-1	117	%	70-130	01.27.2021 19:07	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B5**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-030	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 09:27	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 09:27	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 09:27	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 09:27	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 09:27	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 09:27	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 09:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	01.27.2021 09:27	
4-Bromofluorobenzene	460-00-4	115	%	70-130	01.27.2021 09:27	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B6**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-031	Date Collected:	01.21.2021 00:00		

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	SPC				
Analyst:	SPC	Date Prep:	01.26.2021 10:45	% Moisture:	
Seq Number:	3149071			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**139**	5.05	mg/kg	01.26.2021 19:38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	01.27.2021 12:00	% Moisture:	
Seq Number:	3149366			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.27.2021 19:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.27.2021 19:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.27.2021 19:28	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.27.2021 19:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	01.27.2021 19:28	
o-Terphenyl	84-15-1	116	%	70-130	01.27.2021 19:28	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B6**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-031	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 09:48	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.27.2021 09:48	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.27.2021 09:48	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.27.2021 09:48	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.27.2021 09:48	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.27.2021 09:48	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.27.2021 09:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	01.27.2021 09:48	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.27.2021 09:48	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id: **B7** Matrix: Soil Date Received:01.25.2021 10:38

Lab Sample Id: 685845-032 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 01.26.2021 10:45 % Moisture:

Seq Number: 3149071 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.1**	5.05	mg/kg	01.26.2021 19:43		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 12:00 % Moisture:

Seq Number: 3149366 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 20:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	**89.6**	49.9	mg/kg	01.27.2021 20:31		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 20:31	U	1
Total TPH	PHC635	**89.6**	49.9	mg/kg	01.27.2021 20:31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	01.27.2021 20:31	
o-Terphenyl	84-15-1	106	%	70-130	01.27.2021 20:31	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B7**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-032	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.27.2021 10:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.27.2021 10:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.27.2021 10:09	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.27.2021 10:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.27.2021 10:09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.27.2021 10:09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.27.2021 10:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.27.2021 10:09	
1,4-Difluorobenzene	540-36-3	112	%	70-130	01.27.2021 10:09	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id: **B8** Matrix: Soil Date Received:01.25.2021 10:38

Lab Sample Id: 685845-033 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 01.26.2021 10:45 % Moisture:

Seq Number: 3149071 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**67.2**	5.02	mg/kg	01.26.2021 19:48		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 12:00 % Moisture:

Seq Number: 3149366 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.27.2021 17:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.27.2021 17:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.27.2021 17:01	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.27.2021 17:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	01.27.2021 17:01	
o-Terphenyl	84-15-1	121	%	70-130	01.27.2021 17:01	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B8**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-033	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.27.2021 10:29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.27.2021 10:29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.27.2021 10:29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.27.2021 10:29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.27.2021 10:29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.27.2021 10:29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.27.2021 10:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.27.2021 10:29	
1,4-Difluorobenzene	540-36-3	116	%	70-130	01.27.2021 10:29	

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Certificate of Analytical Results 685845

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id: **B9** Matrix: Soil Date Received:01.25.2021 10:38

Lab Sample Id: 685845-034 Date Collected: 01.21.2021 00:00

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P

Tech: SPC

Analyst: SPC Date Prep: 01.26.2021 10:45 % Moisture:

Seq Number: 3149071 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.9**	4.98	mg/kg	01.26.2021 19:54		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 01.27.2021 12:00 % Moisture:

Seq Number: 3149366 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.27.2021 19:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	**57.9**	49.9	mg/kg	01.27.2021 19:49		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.27.2021 19:49	U	1
Total TPH	PHC635	**57.9**	49.9	mg/kg	01.27.2021 19:49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	01.27.2021 19:49	
o-Terphenyl	84-15-1	104	%	70-130	01.27.2021 19:49	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**B9**	Matrix:	Soil	Date Received:	01.25.2021 10:38
Lab Sample Id:	685845-034	Date Collected:	01.21.2021 00:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	01.26.2021 15:00	% Moisture:	
Seq Number:	3149029			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.27.2021 10:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.27.2021 10:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.27.2021 10:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.27.2021 10:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.27.2021 10:50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.27.2021 10:50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.27.2021 10:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.27.2021 10:50	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.27.2021 10:50	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 685845

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Etech Environmental & Safety Solution, Inc

Kersey State Battery Historical

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149070 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720015-1-BLK — LCS Sample Id: 7720015-1-BKS — LCSD Sample Id: 7720015-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	260	104	260	104	90-110	0	20	mg/kg	01.26.2021 14:42	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149071 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720016-1-BLK — LCS Sample Id: 7720016-1-BKS — LCSD Sample Id: 7720016-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	255	102	254	102	90-110	0	20	mg/kg	01.26.2021 17:33	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149070 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685845-001 — MS Sample Id: 685845-001 S — MSD Sample Id: 685845-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	304	251	545	96	545	96	90-110	0	20	mg/kg	01.26.2021 14:57	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149070 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685845-011 — MS Sample Id: 685845-011 S — MSD Sample Id: 685845-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	507	251	742	94	743	94	90-110	0	20	mg/kg	01.26.2021 16:10	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149071 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685845-017 — MS Sample Id: 685845-017 S — MSD Sample Id: 685845-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5450	2500	8050	104	8050	104	90-110	0	20	mg/kg	01.26.2021 17:49	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149071 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685845-027 — MS Sample Id: 685845-027 S — MSD Sample Id: 685845-027 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3220	1250	4460	99	4430	97	90-110	1	20	mg/kg	01.26.2021 19:02	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 685845

Etech Environmental & Safety Solution, Inc

Kersey State Battery Historical

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149366 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720230-1-BLK — LCS Sample Id: 7720230-1-BKS — LCSD Sample Id: 7720230-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	882	88	888	89	70-130	1	20	mg/kg	01.27.2021 13:28	
Diesel Range Organics (DRO)	<50.0	1000	953	95	883	88	70-130	8	20	mg/kg	01.27.2021 13:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		4	**	93		70-130	%	01.27.2021 13:28
o-Terphenyl	117		99		99		70-130	%	01.27.2021 13:28

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149223 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720222-1-BLK — LCS Sample Id: 7720222-1-BKS — LCSD Sample Id: 7720222-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1080	108	1130	113	70-130	5	20	mg/kg	01.27.2021 19:24	
Diesel Range Organics (DRO)	<50.0	1000	1170	117	1170	117	70-130	0	20	mg/kg	01.27.2021 19:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		108		110		70-130	%	01.27.2021 19:24
o-Terphenyl	114		123		125		70-130	%	01.27.2021 19:24

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149366 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720230-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.27.2021 13:07	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149223 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720222-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.27.2021 19:04	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 685845

Etech Environmental & Safety Solution, Inc

Kersey State Battery Historical

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149366 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685827-041 — MS Sample Id: 685827-041 S — MSD Sample Id: 685827-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	874	88	873	88	70-130	0	20	mg/kg	01.27.2021 14:33	
Diesel Range Organics (DRO)	<49.9	997	915	92	926	93	70-130	1	20	mg/kg	01.27.2021 14:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	4	**	4	**	70-130	%	01.27.2021 14:33
o-Terphenyl	88		91		70-130	%	01.27.2021 14:33

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3149223 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685845-001 — MS Sample Id: 685845-001 S — MSD Sample Id: 685845-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1030	103	924	92	70-130	11	20	mg/kg	01.27.2021 20:27	
Diesel Range Organics (DRO)	<49.9	997	1040	104	1030	103	70-130	1	20	mg/kg	01.27.2021 20:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		100		70-130	%	01.27.2021 20:27
o-Terphenyl	107		105		70-130	%	01.27.2021 20:27

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149026 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720082-1-BLK — LCS Sample Id: 7720082-1-BKS — LCSD Sample Id: 7720082-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0876	88	0.0893	89	70-130	2	35	mg/kg	01.27.2021 00:16	
Toluene	<0.00200	0.100	0.0822	82	0.0837	84	70-130	2	35	mg/kg	01.27.2021 00:16	
Ethylbenzene	<0.00200	0.100	0.0865	87	0.0876	88	70-130	1	35	mg/kg	01.27.2021 00:16	
m,p-Xylenes	<0.00400	0.200	0.169	85	0.171	86	70-130	1	35	mg/kg	01.27.2021 00:16	
o-Xylene	<0.00200	0.100	0.0853	85	0.0861	86	70-130	1	35	mg/kg	01.27.2021 00:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		103		102		70-130	%	01.27.2021 00:16
4-Bromofluorobenzene	103		95		94		70-130	%	01.27.2021 00:16

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 685845

Etech Environmental & Safety Solution, Inc

Kersey State Battery Historical

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149029 — Matrix: Solid — Date Prep: 01.26.2021
MB Sample Id: 7720086-1-BLK — LCS Sample Id: 7720086-1-BKS — LCSD Sample Id: 7720086-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0885	89	0.0967	97	70-130	9	35	mg/kg	01.27.2021 02:33	
Toluene	<0.00200	0.100	0.0892	89	0.0911	91	70-130	2	35	mg/kg	01.27.2021 02:33	
Ethylbenzene	<0.00200	0.100	0.0876	88	0.0884	88	70-130	1	35	mg/kg	01.27.2021 02:33	
m,p-Xylenes	<0.00400	0.200	0.168	84	0.169	85	70-130	1	35	mg/kg	01.27.2021 02:33	
o-Xylene	<0.00200	0.100	0.0904	90	0.0903	90	70-130	0	35	mg/kg	01.27.2021 02:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		106		110		70-130	%	01.27.2021 02:33
4-Bromofluorobenzene	117		102		100		70-130	%	01.27.2021 02:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149026 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685845-012 — MS Sample Id: 685845-012 S — MSD Sample Id: 685845-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0752	76	0.0750	75	70-130	0	35	mg/kg	01.27.2021 00:57	
Toluene	<0.00198	0.0990	0.0673	68	0.0674	68	70-130	0	35	mg/kg	01.27.2021 00:57	X
Ethylbenzene	<0.00198	0.0990	0.0682	69	0.0672	67	70-130	1	35	mg/kg	01.27.2021 00:57	X
m,p-Xylenes	<0.00396	0.198	0.100	51	0.0997	50	70-130	0	35	mg/kg	01.27.2021 00:57	X
o-Xylene	<0.00198	0.0990	0.0645	65	0.0628	63	70-130	3	35	mg/kg	01.27.2021 00:57	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		70-130	%	01.27.2021 00:57
4-Bromofluorobenzene	97		98		70-130	%	01.27.2021 00:57

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3149029 — Matrix: Soil — Date Prep: 01.26.2021
Parent Sample Id: 685845-020 — MS Sample Id: 685845-020 S — MSD Sample Id: 685845-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0871	87	0.0731	73	70-130	17	35	mg/kg	01.27.2021 03:14	
Toluene	<0.00200	0.100	0.0308	31	0.0332	33	70-130	8	35	mg/kg	01.27.2021 03:14	X
Ethylbenzene	<0.00200	0.100	0.0392	39	0.0420	42	70-130	7	35	mg/kg	01.27.2021 03:14	X
m,p-Xylenes	<0.00401	0.200	0.0697	35	0.0758	38	70-130	8	35	mg/kg	01.27.2021 03:14	X
o-Xylene	<0.00200	0.100	0.0682	68	0.0719	72	70-130	5	35	mg/kg	01.27.2021 03:14	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		111		70-130	%	01.27.2021 03:14
4-Bromofluorobenzene	114		119		70-130	%	01.27.2021 03:14

MS/MSD Percent Recovery — [D] = 100*(C-A) / B
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery — [D] = 100 * (C) / [B]
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

XENCO LABORATORIES

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: U85845

www.xenco.com Page 1 of 4

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kersey State Battery Historical	Turn Around	
Project Number:	11986	Routine:	☒
Project Location	Rural Eddy County, NM	Rush:	☐
Sampler's Name:	Spencer Blackwood	Due Date:	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	(Yes) No
Temperature (°C):	5	Thermometer ID		
Received Intact:	(Yes) No	188		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.5	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)	Sample Comments
NW1	Soil	1/20/2021			1/NO	X	X	X	
NW2	Soil	1/20/2021			1/NO	X	X	X	
NW3	Soil	1/20/2021			1/NO	X	X	X	
NW4	Soil	1/20/2021			1/NO	X	X	X	
FS1 @ 4'	Soil	1/20/2021		4'	1/NO	X	X	X	
FS2 @ 4'	Soil	1/20/2021		4'	1/NO	X	X	X	
FS3 @ 4'	Soil	1/20/2021		4'	1/NO	X	X	X	
FS4 @ 4'	Soil	1/20/2021		4'	1/NO	X	X	X	
EW1	Soil	1/21/2020			1/NO	X	X	X	
EW2	Soil	1/21/2020			1/NO	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 [signature]	[signature]	01-22-21 2:55PM	2 [signature]	[signature]	1/25/21 1038
3			4		
5			6		

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 685845

www.xenco.com Page 2 of 4

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kersey State Battery Historical	Turn Around	
Project Number:	11986	Routine:	☒
Project Location	Rural Eddy County, NM	Rush:	☐
Sampler's Name:	Spencer Blackwood	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	4.5	Thermometer ID		
Received Intact:	Yes No		KP	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)
SW1	Soil	1/20/2021			1/NO	X	X	X
SW2	Soil	1/20/2021			1/NO	X	X	X
SW3	Soil	1/20/2021			1/NO	X	X	X
SW4	Soil	1/20/2021			1/NO	X	X	X
V1 @ 4'	Soil	1/18/2021		4'	1/NO	X	X	X
W1	Soil	1/21/2021			1/NO	X	X	X
S1	Soil	1/21/2021			1/NO	X	X	X
S2	Soil	1/21/2021			1/NO	X	X	X
S3	Soil	1/21/2021			1/NO	X	X	X
E1	Soil	1/20/2021			1/NO	X	X	X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Ega Cailli	01-22-21 1:55PM	2 Ega Cailli		1/25/21 1058
3				4		
5				6		

Revised Date101419 Rev. 2019.1

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
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Work Order No: 1085845

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kersey State Battery Historical	Turn Around	
Project Number:	11986	Routine:	X
Project Location	Rural Eddy County, NM	Rush:	☐
Sampler's Name:	Spencer Blackwood	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	-.3	Thermometer ID	IR8	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)
E2	Soil	1/20/2021			1/NO	X	X	X
E3	Soil	1/20/2021			1/NO	X	X	X
N1	Soil	1/20/2021			1/NO	X	X	X
N2	Soil	1/20/2021			1/NO	X	X	X
N3	Soil	1/20/2021			1/NO	X	X	X
B1	Soil	1/20/2021			1/NO	X	X	X
B2	Soil	1/20/2021			1/NO	X	X	X
B3	Soil	1/20/2021			1/NO	X	X	X
B4	Soil	1/20/2021			1/NO	X	X	X
B5	Soil	1/21/2021			1/NO	X	X	X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Ega Caille	1-22-21 2:55	2	Ega Caille		1/22/21 1038
3				4			
5				6			

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 605845

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Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechenv.com + Client

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kersey State Battery Historical	Turn Around	
Project Number:	11986	Routine:	☒
Project Location	Rural Eddy County, NM	Rush:	☐
Sampler's Name:	Spencer Blackwood	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	-5	Thermometer ID	IR8	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)
B6	Soil	1/21/2021			1/NO	X	X	X
B7	Soil	1/21/2021			1/NO	X	X	X
B8	Soil	1/21/2021			1/NO	X	X	X
B9	Soil	1/21/2021			1/NO	X	X	X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Ezra Cuello	1-22-21 2:55	2 Ezra Cuello		1/25/21 10:58
3				4		
5				6		

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.25.2021 10.38.00 AM

Work Order #: 685845

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.5
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.25.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.25.2021

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.27.2021 11.50.00 AM

Work Order #: 686161

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.2
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.27.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.27.2021

Jessica Kramer

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Certificate of Analysis Summary 686557

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Kersey State Battery Historical

Project Id:

Contact: PM

Project Location: Rural Eddy County, NM

Date Received in Lab: Fri 01.29.2021 11:29

Report Date: 02.01.2021 16:30

Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	686557-001					
	Field Id:	S2					
	Depth:						
	Matrix:	SOIL					
	Sampled:	01.28.2021 00:00					
Inorganic Anions by EPA 300	***Extracted:***	01.31.2021 11:30					
	Analyzed:	01.31.2021 15:24					
	Units/RL:	mg/kg	RL				
Chloride		4350	50.0				

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 686557

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Kersey State Battery Historical

02.01.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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02.01.2021

Project Manager: **PM**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686557**
Kersey State Battery Historical
Project Address: Rural Eddy County, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686557. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686557 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 686557

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S2	S	01.28.2021 00:00		686557-001

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Kersey State Battery Historical

Project ID:
Work Order Number(s): *686557*

Report Date: *02.01.2021*
Date Received: *01.29.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 686557

Etech Environmental & Safety Solution, Inc, Midland, TX

Kersey State Battery Historical

Sample Id:	**S2**	Matrix:	Soil	Date Received:	01.29.2021 11:29
Lab Sample Id:	686557-001	Date Collected:	01.28.2021 00:00		
Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.31.2021 11:30	% Moisture:	
Seq Number:	3149509			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4350**	50.0	mg/kg	01.31.2021 15:24		10

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 686557

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Etech Environmental & Safety Solution, Inc

Kersey State Battery Historical

Analytical Method: **Inorganic Anions by EPA 300** Prep Method: E300P
Seq Number: 3149509 Matrix: Solid Date Prep: 01.31.2021
MB Sample Id: 7720409-1-BLK LCS Sample Id: 7720409-1-BKS LCSD Sample Id: 7720409-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	239	96	238	95	90-110	0	20	mg/kg	01.31.2021 14:46	

Analytical Method: **Inorganic Anions by EPA 300** Prep Method: E300P
Seq Number: 3149509 Matrix: Soil Date Prep: 01.31.2021
Parent Sample Id: 686360-010 MS Sample Id: 686360-010 S MSD Sample Id: 686360-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.2	252	274	100	275	100	90-110	0	20	mg/kg	01.31.2021 15:02	

Analytical Method: **Inorganic Anions by EPA 300** Prep Method: E300P
Seq Number: 3149509 Matrix: Soil Date Prep: 01.31.2021
Parent Sample Id: 686563-005 MS Sample Id: 686563-005 S MSD Sample Id: 686563-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	39.5	253	334	116	298	102	90-110	11	20	mg/kg	01.31.2021 16:17	X

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 684557

www.xenco.com Page 1 of 1

Project Manager:	Joel Lowry	Bill to: (if different)	
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378 Email:	Email Results to: PM@etechenv.com + Client	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level II ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kersey State Battery Historical	Turn Around	
Project Number:	11986	Routine:	☐
Project Location	Rural Eddy County, NM	Rush:	X
Sampler's Name:	Spencer Blackwood	Due Date: ASAP	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.3	Thermometer ID		
Received Intact:	Yes No	IR4		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (8021)	TPH (Modified Ext.)	Cl- (E300)
S2	Soil	1/28/2021			1/NO			X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	NR	3:52/1-28	2 NR		1/29/21 1129
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 01.29.2021 11.29.00 AM

Work Order #: 686557

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 01.29.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.29.2021

Jessica Kramer

CARDINAL Laboratories

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

February 01, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: KERSEY STATE HISTORICAL

Enclosed are the results of analyses for samples received by the laboratory on 01/29/21 11:35.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received:	01/29/2021	Sampling Date:	01/29/2021
Reported:	02/01/2021	Sampling Type:	Soil
Project Name:	KERSEY STATE HISTORICAL	Sampling Condition:	** (See Notes)
Project Number:	11986	Sample Received By:	Tamara Oldaker
Project Location:	RURAL EDDY - GRIZZLY ENERGY		

Sample ID: N 3B (H210221-01)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2021	ND	218	109	200	6.50	
DRO >C10-C28*	**13.0**	10.0	01/29/2021	ND	211	105	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	01/29/2021	ND					

Surrogate: 1-Chlorooctane	*105 %*	*44.3-144*
Surrogate: 1-Chlorooctadecane	*111 %*	*42.2-156*

Sample ID: S 3B (H210221-02)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2021	ND	218	109	200	6.50	
DRO >C10-C28*	<10.0	10.0	01/29/2021	ND	211	105	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	01/29/2021	ND					

Surrogate: 1-Chlorooctane	*94.8 %*	*44.3-144*
Surrogate: 1-Chlorooctadecane	*100 %*	*42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rush!

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	Joel Lowry	P.O. #:	
Address:	P.O. Box 301	Company:	E Tech
City:	Lovington	State: NM	Zip: 88260
Attn:			
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	
Address:			
Project #:	11986	Project Owner: Grizzly	
City:			
Project Name:	Herse State Battery Historical	State:	Zip:
Project Location:	Eddie Co.	Phone #:	
Sampler Name:	Spencer Blackwood	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H210221																	
~~N3B~~																	
S313																	
1	N3B	G	1			✓					✓		1/29/21	9:15		✓	
2	S313	G	1			✓					✓		1/29/21	9:00		✓	

Relinquished By:	Date: 1-29-21	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1135		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		Please email results to pm@etechenv.com.

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: 6.9° #113	Cool: ☐ Yes ☑ No Intact: ☑ Yes ☐ No	TD

FORM-006
Revision 1.0

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

Appendix D
Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: East	
Photo Description: Excavation	

Photo Number: 2	
Photo Direction: Southwest	
Photo Description: Excavation	

Photographic Log

Photo Number: 3	
Photo Direction: Northeast	
Photo Description: Excavation	

Photo Number: 4	
Photo Direction: Northwest	
Photo Description: Excavation	

Photographic Log

Photo Number: 5	
Photo Direction: South	
Photo Description: Excavation	

Photo Number: 6	
Photo Direction: West	
Photo Description: Excavation	

Photographic Log

Photo Number: 7 **Photo Direction:** Northeast **Photo Description:** Backfilled Excavation	

Photo Number: 8 **Photo Direction:** Northeast **Photo Description:** Backfilled Excavation	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 23332

CONDITIONS

Operator:	OGRID:
Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	330447
	Action Number: 23332
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Site must meet the requirements of 19.15.29.13 NMAC upon plugging and abandonment.	2/10/2023