

Incident ID	nAPP2208435708
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>75</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jacqui Harris Title: Sr. Environmental Engineer
 Signature:  Date: 6/13/2022
 email: Jacqui.Harris@conocophillips.com Telephone: (575)745-1807

OCD Only

Received by: _____ Date: _____

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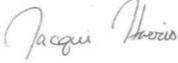
Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Jacqui Harris Title: Sr. Environmental Engineer
 Signature:  Date: 6/13/2022
 email: Jacqui.Harris@conocophillips.com Telephone: (575)745-1807

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 06/14/2022
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

Remediation Summary & Soil Closure Request

COG Operating, LLC

Roy Batty Federal Com CTB 2

Lea County, New Mexico

Unit Letter "O", Section 11, Township 24 South, Range 33 East

Latitude 32.22503 North, Longitude 103.54155 West

NMOCD Reference No. nAPP2208435708

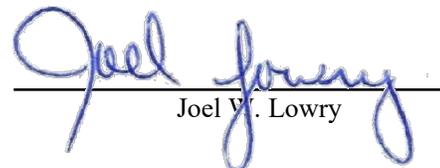
Prepared By:

Etech Environmental & Safety Solutions, Inc.

2507 79th Street, Unit A

Lubbock, Texas 79423


Ben J. Arguijo


Joel V. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of COG Operating, LLC, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Roy Batty Federal Com CTB 2 (henceforth, "Roy Batty CTB"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.22503 Longitude: -103.541550
Provided GPS are in WGS84 format.

Site Name: <u>Roy Batty Federal Com CTB 2</u>	Site Type: <u>Tank Battery</u>
Date Release Discovered: <u>3/12/2022</u>	API # (if applicable): <u>30-025-41333</u>

Unit Letter	Section	Township	Range	County
"O"	11	24S	33E	Lea

Surface Owner: State Federal Tribal Private (Name NGL Water Solutions Permian, LLC)

Nature and Volume of Release

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) <u>0.612</u>	Volume Recovered (bbls) <u>0</u>
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

The release was caused by oil making its way up the stack, igniting the flare. The release resulted in a flare fire on the pad. No fluid was recovered due to the fire burning off any standing fluids.

Initial Response

- The source of the release has been stopped.
- The impacted area has been secured to protect human health and the environment.
- Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- 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 Roy Batty CTB release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	75'		
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria**†	Reclamation Standard**‡
75'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 INITIAL SITE ASSESSMENT

On March 22, 2022, Etech conducted an initial site assessment. During the initial site assessment, two (2) hand-augered soil bores (SP1 and SP2) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, four (4) hand-augered soil bores (NH, EH, SH, and WH) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, a total of 12 delineation soil samples (NH @ Surface, NH @ 1', EH @ Surface, EH @ 1', SH @ Surface, SH @ 1', WH @ Surface, WH @ 1', SP1 @ Surface, SP1 @ 1', SP2 @ Surface, and SP2 @ 1') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal and vertical extent of impacted soil was adequately defined, and soil was not affected above the NMOCD Closure Criteria beyond one (1) foot below ground surface (bgs) in the areas characterized by sample points SP1 and SP2.

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

5.0 REMEDIATION ACTIVITIES SUMMARY

On May 20, 2022, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the vertical and horizontal extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

On May 23, 2022, Etech collected 24 confirmation soil samples (EWS 1 @ 0' - 1', SWS 1 @ 0' - 1', SWS 2 @ 0' - 1', WWS 1 @ 0' - 1', and FS1 @ 1' through FS20 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX concentrations were also less than the laboratory method detection limit (MDL). TPH concentrations ranged from less than the laboratory MDL in soil samples WWS 1 @ 0' - 1', FS5 @ 1', FS6 @ 1', FS8 @ 1', FS9 @ 1', FS11 @ 1', and FS14 @ 1' through FS20 @ 1' to 487 mg/kg in soil sample SWS 2 @ 0' - 1'. Chloride concentrations ranged from less than the laboratory MDL in soil samples FS18 @ 1' and FS19 @ 1' to 1,250 mg/kg in soil sample FS2 @ 1'.

On May 24, 2022, Etech collected 19 confirmation soil samples (NWS 1, NWS 2, EWS 2, WWS 2, and FS21 @ 1' through FS35 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples WWS 2, FS26 @ 1' through FS32 @ 1', FS34 @ 1', and FS35 @ 1' to 32.0 mg/kg in soil samples NWS 1, EWS 2, FS21 @ 1', FS22 @ 1', and FS24 @ 1'.

On May 26, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples SWS 1 @ 0' - 1', SWS 2 @ 0' - 1', FS1 @ 1', FS2 @ 1', FS4 @ 1', and FS5 @ 1'. Etech collected six (6) confirmation soil samples (SWS B 1, SWS B 2, FS1 @ 2', FS2 @ 3', FS4 @ 2', and FS5 @ 2') from the sidewalls and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results

indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL, with the exception of soil sample SWS B 1, which exhibited a TPH concentration of 16.5 mg/kg. Chloride concentrations ranged from 16.0 mg/kg in soil sample FS2 @ 3' to 544 in soil sample FS1 @ 3'.

The final dimensions of the excavated area were approximately 152 feet in length, 42 to 50 feet in width, and one (1) to three (3) feet in depth. During the course of remediation activities, Etech transported approximately 240 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 240 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

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

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

The release was limited to the production pad of an active tank battery. Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions and compacted/contoured to meet the needs of the facility. Final reclamation and re-vegetation will be conducted upon decommission and abandonment of the facility.

7.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends COG Operating, LLC, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Roy Batty CTB release site.

8.0 LIMITATIONS

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

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

9.0 DISTRIBUTION

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

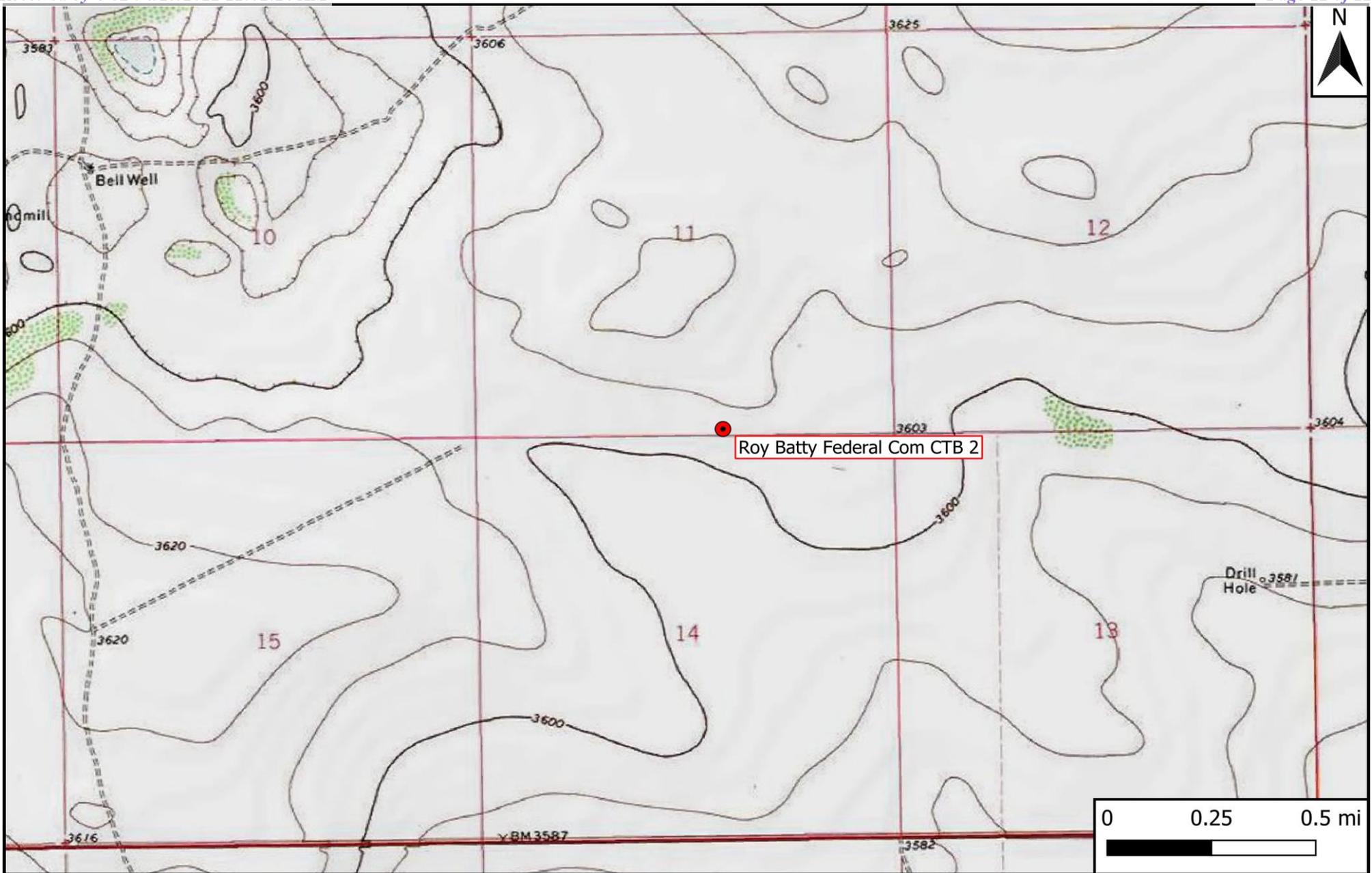
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

NGL Water Solutions Permian, LLC
901 Tradewinds Blvd., Ste. B
Midland, TX 79706-3614

(Electronic Submission)

Figure 1

Topographic Map



Legend	
	Site Location

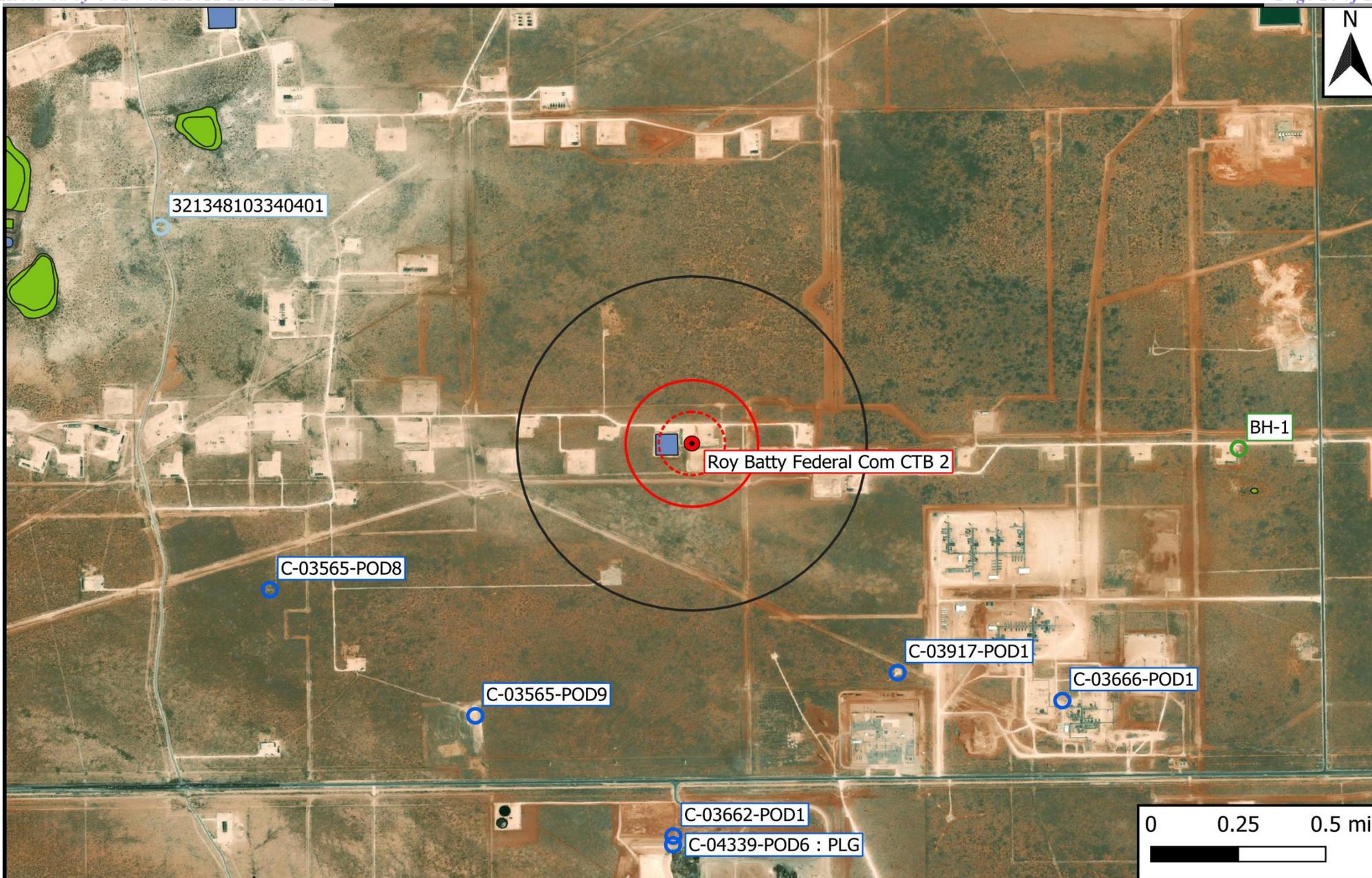
Figure 1
 Topographic Map
 COG Operating, LLC
 Roy Batty Federal Com CTB 2
 GPS: 32.22503, -103.54155
 Lea County

eTECH
Environmental & Safety Solutions, Inc.



Drafted: bja Checked: jwl Date: 6/9/22

Figure 2 Aerial Proximity Map



Legend		
● Site Location	 1% Annual Flood Chance	 500-Ft Radius
 Well - NMOSE	 Emergent/Forested Wetlands	 1,000-Ft Radius
 Well - USGS	 Freshwater Pond/Lake	 0.5-Mi Radius
 Well - Exploratory/Monitor	 Medium/High Karst	
 Potash Mine Workings	 Riverine	

Figure 2
 Aerial Proximity Map COG
 Operating, LLC
 Roy Batty Federal Com CTB 2
 GPS: 32.22503, -103.54155
 Lea County



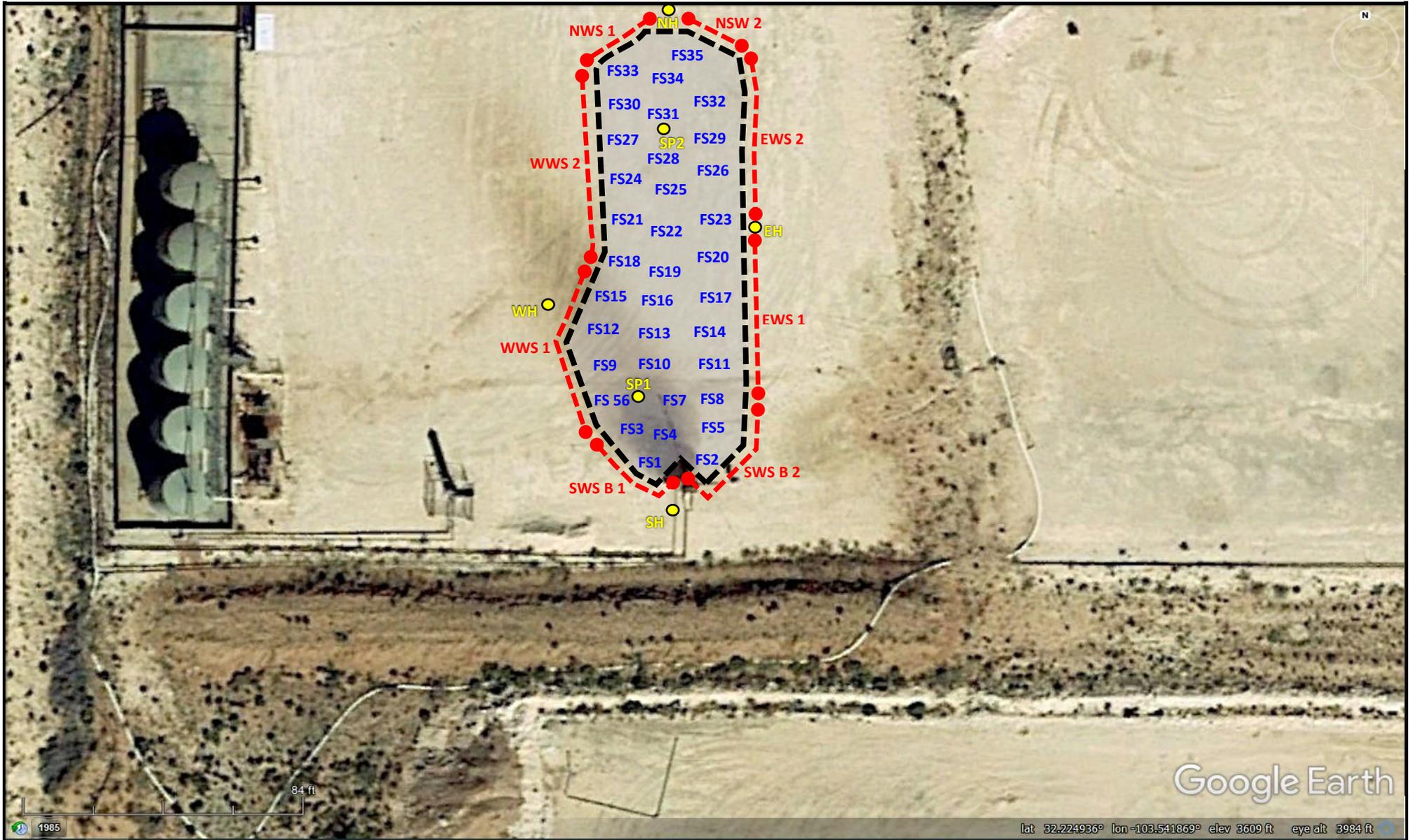
eTECH
Environmental & Safety Solutions, Inc.



Drafted: bja Checked: jwl Date: 6/9/22

Figure 3

Site & Sample Location Map



Legend:

	Excavated Area
FS#	Composite Floor Sample
	Composite Wall Sample
	Delineation Sample Point

Figure 3
 Site & Sample Location Map
 COG Operating, LLC
 Roy Batty Federal Com CTB 2
 GPS: 32.22503, -103.54155
 Lea County



Environmental & Safety Solutions, Inc.

Revised: bja Checked: jwl Date: 6/9/22

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil COG Operating, LLC Roy Batty Federal Com CTB 2 NMOCD Ref. #: nAPP2208435708											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	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 Samples											
NH @ Surface	3/22/2022	0	In-Situ	<0.050	<0.300	<10.0	80.4	80.4	17.4	97.8	400
NH @ 1'	3/22/2022	1	In-Situ	<0.050	<0.300	<10.0	58.6	58.6	11.8	70.4	480
EH @ Surface	3/22/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH @ 1'	3/22/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH @ Surface	3/22/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH @ 1'	3/22/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH @ Surface	3/22/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH @ 1'	3/22/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP1 @ Surface	3/22/2022	0	Excavated	<0.050	<0.300	<10.0	221	221	55.3	276	1,480
SP1 @ 1'	3/22/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP2 @ Surface	3/22/2022	0	Excavated	<0.050	<0.300	13.6	1,160	1,170	188	1,360	176
SP2 @ 1'	3/22/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Excavation Samples											
NWS 1	5/24/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NWS 2	5/24/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EWS 1 @ 0' - 1'	5/23/2022	0-1	In-Situ	<0.050	<0.300	<10.0	25.9	25.9	<10.0	25.9	560
EWS 2	5/24/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SWS 1 @ 0' - 1'	5/23/2022	0-1	Excavated	<0.050	<0.300	<10.0	206	206	55.6	262	1,020
SWS B 1	5/26/2022	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	16.5	16.5	288
SWS 2 @ 0' - 1'	5/23/2022	0-1	Excavated	<0.050	<0.300	<10.0	404	404	82.7	487	1,200
SWS B 2	5/26/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WWS 1 @ 0' - 1'	5/23/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WWS 2	5/24/2022	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS1 @ 1'	5/23/2022	1	Excavated	<0.050	<0.300	<10.0	58.8	58.8	14.9	73.7	720
FS1 @ 2'	5/26/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FS2 @ 1'	5/23/2022	1	Excavated	<0.050	<0.300	<10.0	23.0	23.0	<10.0	23.0	1,250
FS2 @ 3'	5/26/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS3 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	28.7	28.7	<10.0	28.7	432
FS4 @ 1'	5/23/2022	1	Excavated	<0.050	<0.300	<10.0	154	154	51.4	205	720
FS4 @ 2'	5/26/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FS5 @ 1'	5/23/2022	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
FS5 @ 2'	5/26/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FS6 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS7 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	21.2	21.2	<10.0	21.2	288
FS8 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FS9 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS10 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	31.6	31.6	<10.0	31.6	48.0
FS11 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FS12 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	31.7	31.7	<10.0	31.7	32.0
FS13 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	26.7	26.7	<10.0	26.7	48.0

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

Bold: NMOCD Closure Criteria exceedance.*Italicized:* NMOCD Reclamation Standard exceedance.

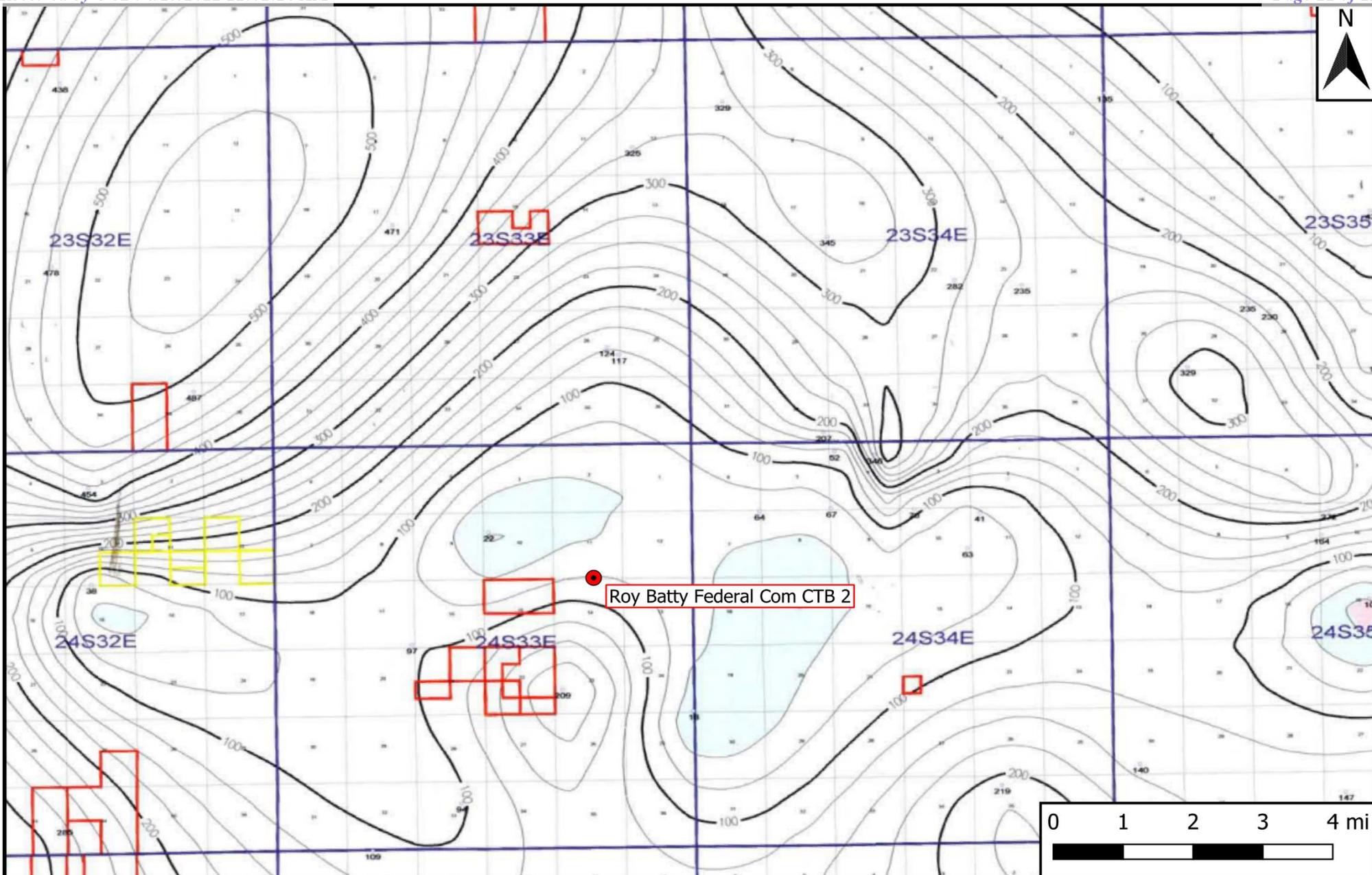
Table 1 Concentrations of BTEX, TPH & Chloride in Soil COG Operating, LLC Roy Batty Federal Com CTB 2 NMOCD Ref. #: nAPP2208435708											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		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)
FS14 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS15 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS16 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS17 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS18 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS19 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS20 @ 1'	5/23/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS21 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS22 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS23 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS24 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FS25 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS26 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS27 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS28 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS29 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS30 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS31 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS32 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS33 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FS34 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FS35 @ 1'	5/24/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0

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

Bold: NMOCD Closure Criteria exceedance.*Italicized:* NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Legend

● Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 COG Operating, LLC
 Roy Batty Federal Com CTB 2
 GPS: 32.22503, -103.54155
 Lea County



Drafted: bja Checked: jwl Date: 6/9/22



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03662 POD1	3	1	2	23	24S	33E	637342	3564428

Driller License: 1654	Driller Company: NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC	
Driller Name:		
Drill Start Date: 08/19/2013	Drill Finish Date: 08/20/2013	Plug Date:
Log File Date: 09/16/2013	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 10 GPM
Casing Size: 6.00	Depth Well: 550 feet	Depth Water: 110 feet

Water Bearing Stratifications:	Top	Bottom	Description
	250	275	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	280	360

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/15/22 9:25 AM

POINT OF DIVERSION SUMMARY



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
NA	C 03917 POD1	4	1	3	13	24S	33E	638374	3565212

Driller License: 1058	Driller Company: KEY'S DRILLING & PUMP SERVICE	
Driller Name: CASE KEY		
Drill Start Date: 03/01/2016	Drill Finish Date: 03/04/2016	Plug Date:
Log File Date: 03/11/2016	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 30 GPM
Casing Size: 6.00	Depth Well: 600 feet	Depth Water: 420 feet

Water Bearing Stratifications:	Top	Bottom	Description
	520	600	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	300	600

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/15/22 9:25 AM

POINT OF DIVERSION SUMMARY



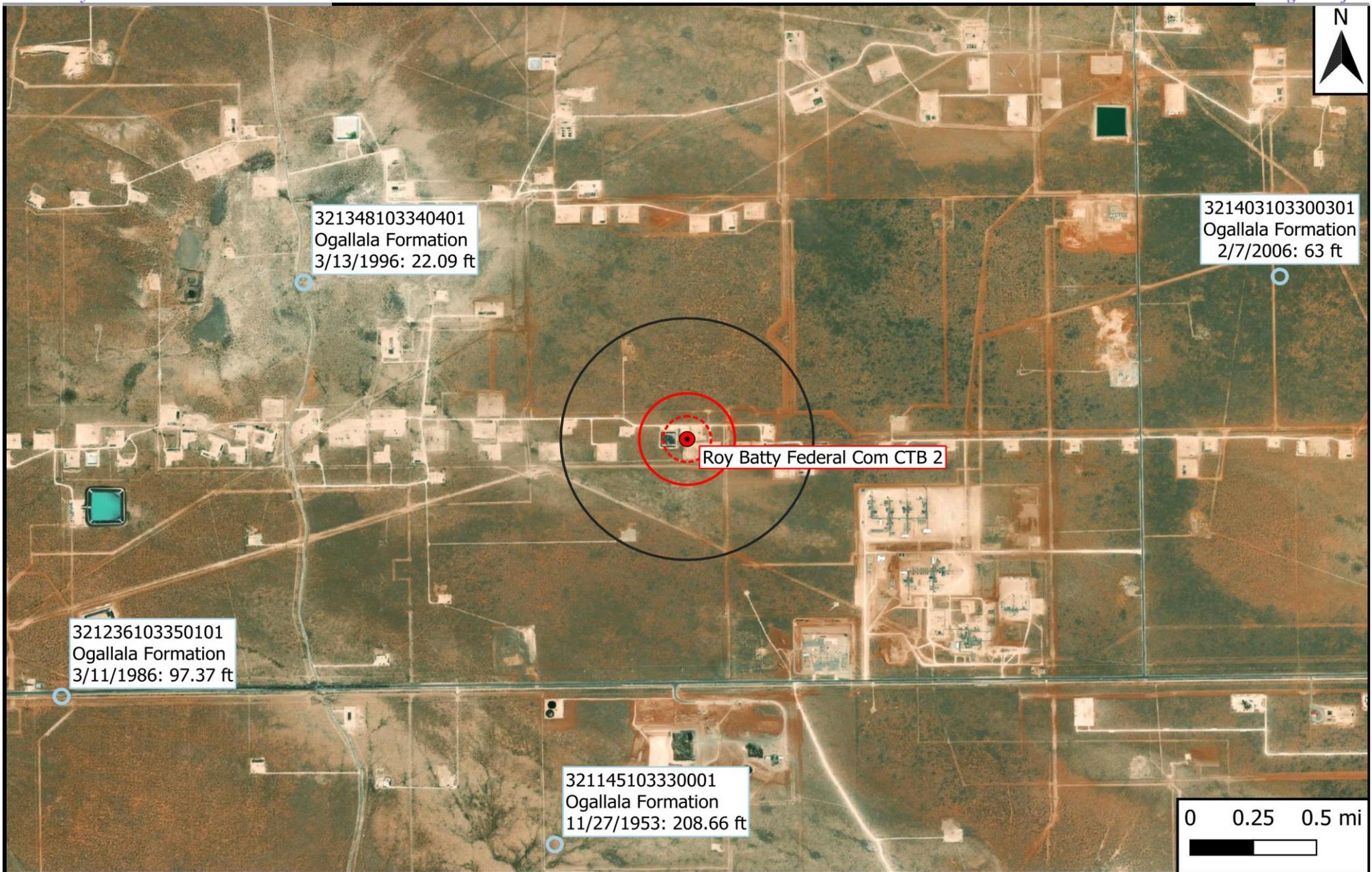
New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD6	3	1	2	23	24S	33E	637340	3564386 
Driller License: 1575		Driller Company:		CURRIE DRILLING COMPANY, INC					
Driller Name:		CURRIE, SHANEG..TY"ENER							
Drill Start Date:	07/31/2019	Drill Finish Date:	07/31/2019		Plug Date:	07/31/2019			
Log File Date:	08/22/2019	PCW Rcv Date:			Source:				
Pump Type:		Pipe Discharge Size:			Estimated Yield:				
Casing Size:		Depth Well:	60 feet		Depth Water:				

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/15/22 9:25 AM

POINT OF DIVERSION SUMMARY



Legend

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

Figure 5
 USGS Well Proximity Map
 COG Operating, LLC
 Roy Batty Federal Com CTB 2
 GPS: 32.22503, -103.54155
 Lea County

eTECH
Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 6/9/22



MENU

24S.33E.23.31322



IMPORTANT [Inventory Page](#) i

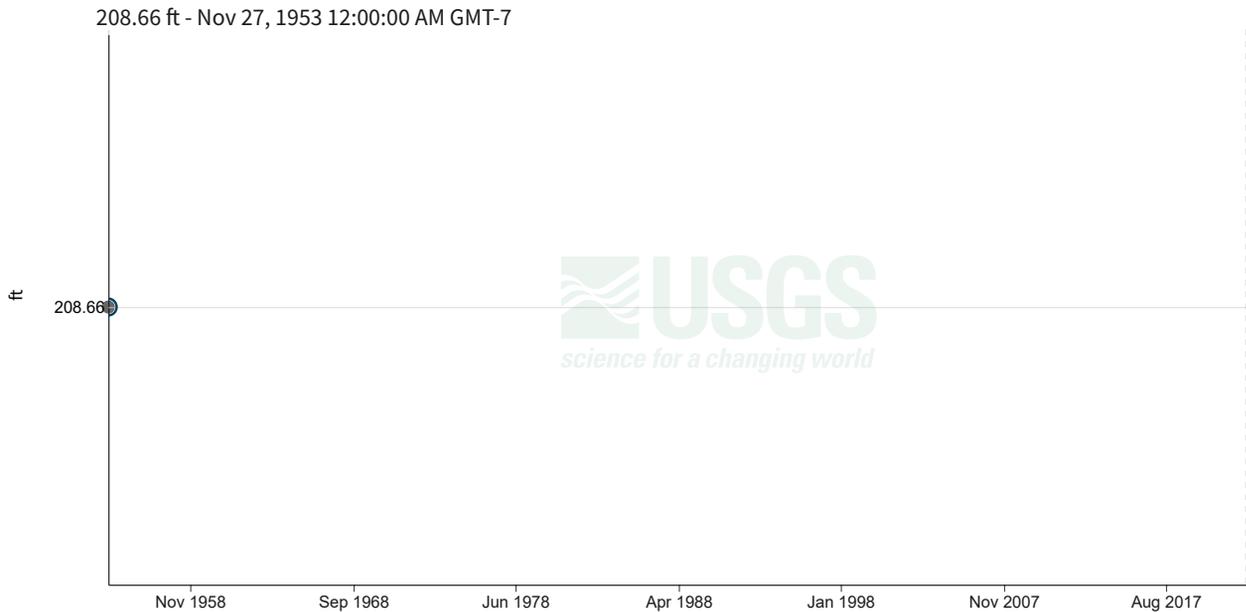
Monitoring location 321145103330001 is associated with a WELL in LEA COUNTY, NEW MEXICO. Water data back to 1953 are available online.

1 year 10 years Period of record

Change time span

Retrieve data

Depth to water level, ft below land surface i



Field visit: Approved
Median: No data

Compare to last year

Display median

IMPORTANT Data may be provisional - [learn more](#)

Select Data to Graph

<input checked="" type="radio"/> Depth to water level, ft below land surface	1953-11-27 to 2013-01-16
<input type="radio"/> Groundwater level above NAVD 1988, ft	1953-11-27 to 2013-01-16
<input type="radio"/> Groundwater level above NGVD 1929, feet	1953-11-27 to 2013-01-16

Hydrograph data table(s)

—

Field visit data

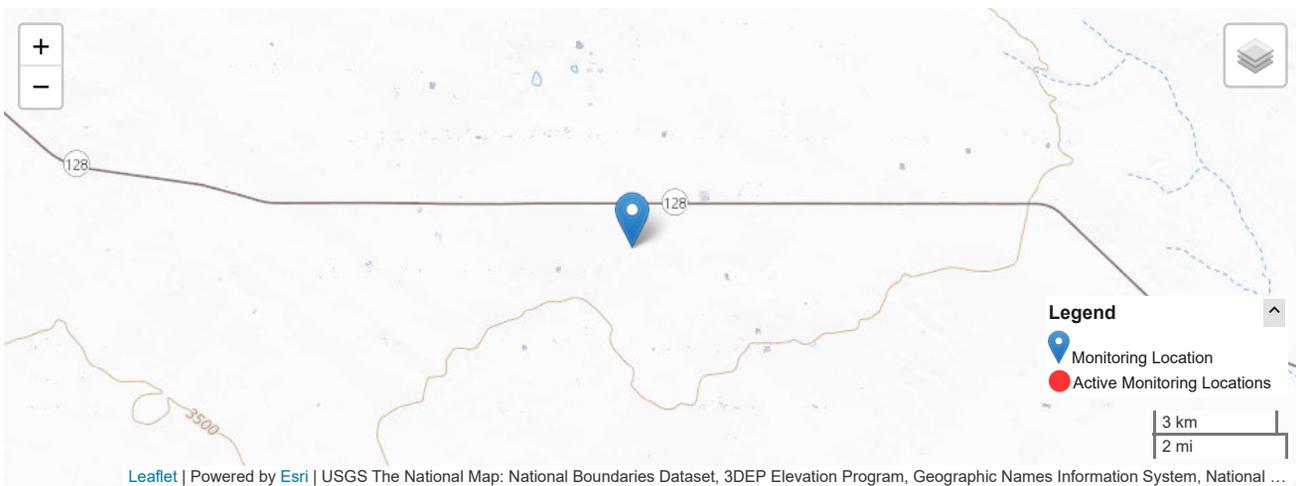
Parameter	Time	Result	Accuracy	Approval	Qualifiers
Depth to water level, ft below land surface	1953-11-27	208.66	0.01	Approved	Static
Depth to water level, ft below land surface	2013-01-16 16:30-07:00	None	None	Approved	NoMeasurement

1

↓ Retrieve data

Groundwater Data **BETA**

+



[About the Network-Linked Data Index \(NLDI\)](#)

Affiliated Networks **BETA**

-

[NWIS Monitoring Locations](#)

Summary of All Available Data

-

USGS Parameter Group	Data Types	Start Date	End Date
Physical	Groundwater Levels	1953-11-27	2013-01-16

[Water Data for the Nation inventory](#)

Location Metadata

+

Questions or Comments

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24S.33E.17.444414

IMPORTANT [Inventory Page](#) **i**

Monitoring location 321236103350101 is associated with a WELL in LEA COUNTY, NEW MEXICO. Water data back to 1986 are available online.

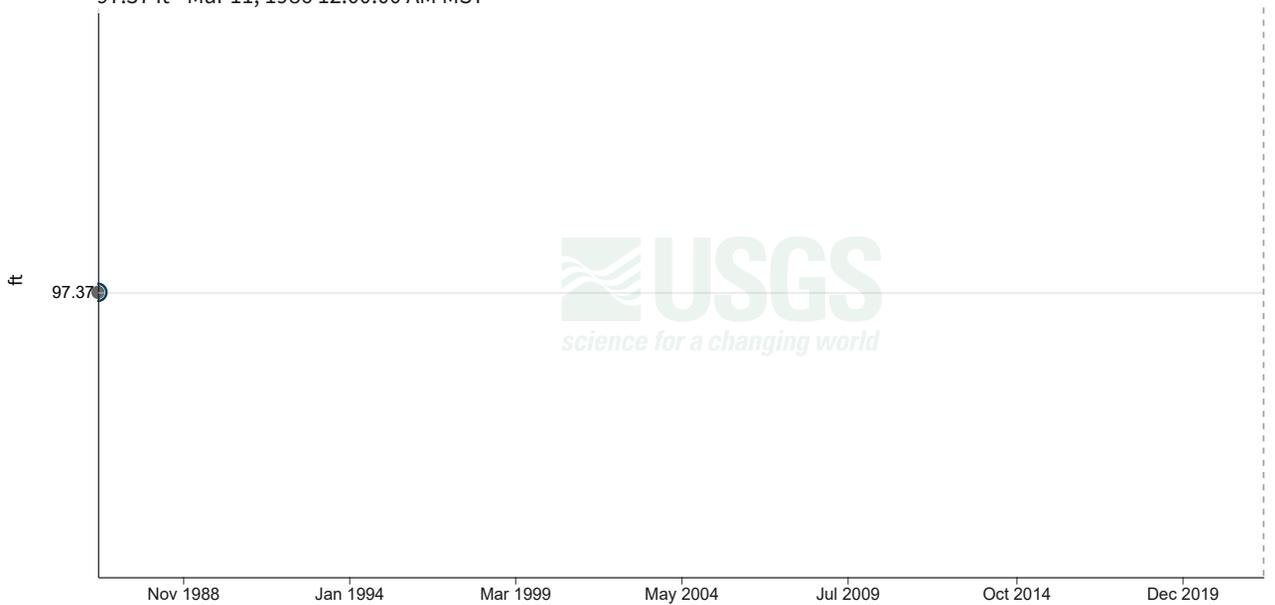
1 year 10 years Period of record

Change time span

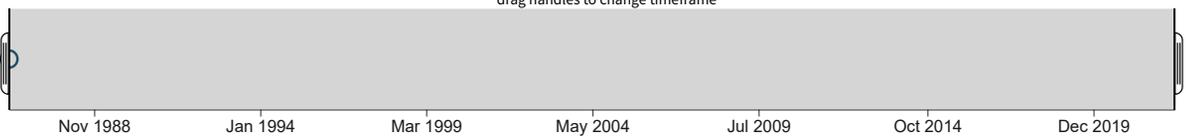
[Retrieve data](#)

Depth to water level, ft below land surface **i**

97.37 ft - Mar 11, 1986 12:00:00 AM MST



drag handles to change timeframe



Field visit: Approved

- Compare to last year
- Display median

IMPORTANT Data may be provisional - [learn more](#)

Select Data to Graph

<input checked="" type="radio"/> Depth to water level, ft below land surface	1986-03-11 to 1986-03-11
<input type="radio"/> Groundwater level above NAVD 1988, ft	1986-03-11 to 1986-03-11
<input type="radio"/> Groundwater level above NGVD 1929, feet	1986-03-11 to 1986-03-11

Hydrograph data table(s)

[Questions or Comments](#)

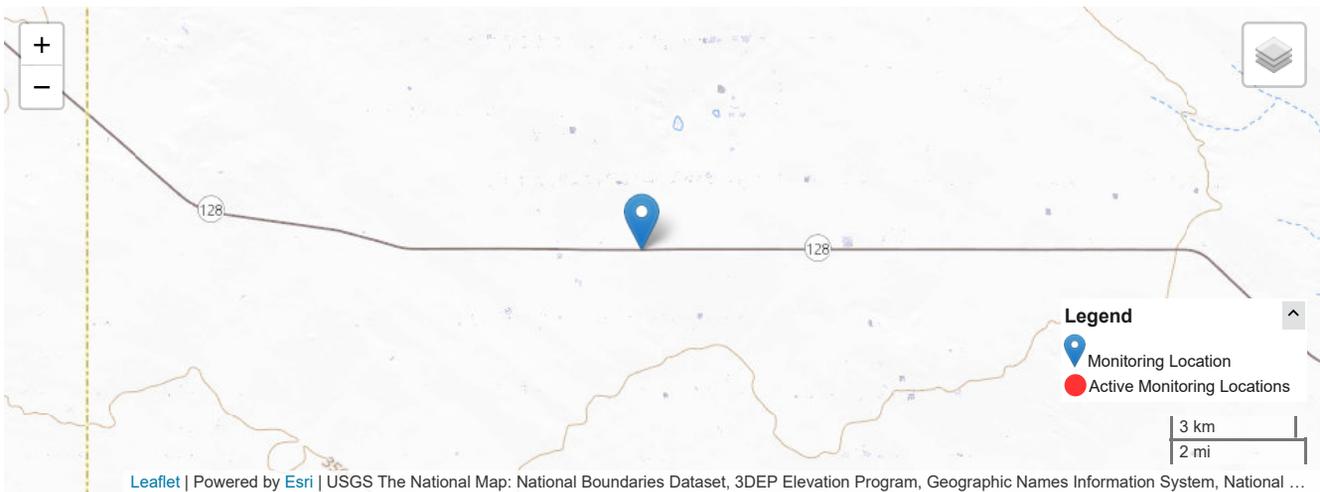
Field visit data

Parameter	Time	Result	Accuracy	Approval	Qualifiers
Depth to water level, ft below land surface	1986-03-11	97.37	0.01	Approved	Static

1

↓ Retrieve data

Groundwater Data BETA +



[About the Network-Linked Data Index \(NLDI\)](#)

Affiliated Networks BETA -

[NWIS Monitoring Locations](#)

Summary of All Available Data -

USGS Parameter Group	Data Types	Start Date	End Date
Physical	Groundwater Levels	1986-03-11	1986-03-11

[Water Data for the Nation inventory](#)

Location Metadata +

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24S.33E.10.13123



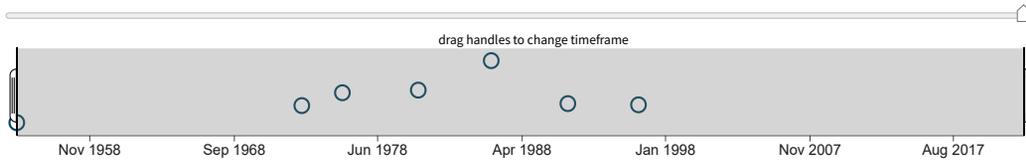
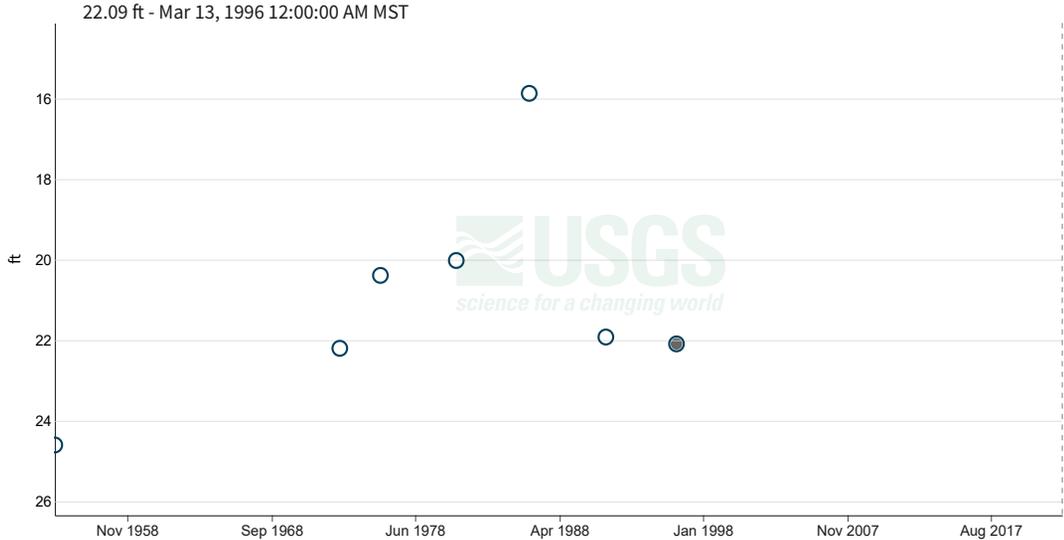
IMPORTANT [Inventory Page](#) 

Monitoring location 321348103340401 is associated with a WELL in LEA COUNTY, NEW MEXICO. Water data back to 1953 are available online.

1 year 10 years Period of record

Change time span | **Retrieve data**

Depth to water level, ft below land surface



Field visit: Approved
 Median: No data

Compare to last year
 Display median

IMPORTANT Data may be provisional - [learn more](#)

Select Data to Graph

- Depth to water level, ft below land surface 1953-11-27 to 2015-12-18
- Groundwater level above NAVD 1988, ft 1953-11-27 to 2015-12-18
- Groundwater level above NGVD 1929, feet 1953-11-27 to 2015-12-18

Hydrograph data table(s) —

Field visit data

Parameter	Time	Result	Accuracy	Approval	Qualifiers
Depth to water level, ft below land surface	1953-11-27	24.60	0.01	Approved	Static
Depth to water level, ft below land surface	1973-04-17	22.20	0.01	Approved	Static

Parameter	Time	Result	Accuracy	Approval	Qualifiers
Depth to water level, ft below land surface	1976-01-21	20.39	0.01	Approved	Static
Depth to water level, ft below land surface	1981-03-20	20.02	0.01	Approved	Static
Depth to water level, ft below land surface	1986-03-07	15.87	0.01	Approved	Static
Depth to water level, ft below land surface	19	Questions or Comments		Approved	Static
Depth to water level, ft below land surface	1996-03-13	22.09	0.01	Approved	Static
Depth to water level, ft below land surface	2015-12-18 15:45-07:00	None	None	Approved	NoMeasurement, Obstructed

1

Retrieve data

Groundwater Data BETA +

Legend
 Monitoring Location
 Active Monitoring Locations

3 km
2 mi

[About the Network-Linked Data Index \(NLDI\)](#)

Affiliated Networks BETA -

[NWIS Monitoring Locations](#)

Summary of All Available Data -

USGS Parameter Group	Data Types	Start Date	End Date
Physical	Groundwater Levels	1953-11-27	2015-12-18

[Water Data for the Nation inventory](#)

Location Metadata +

24S.34E.07.22222

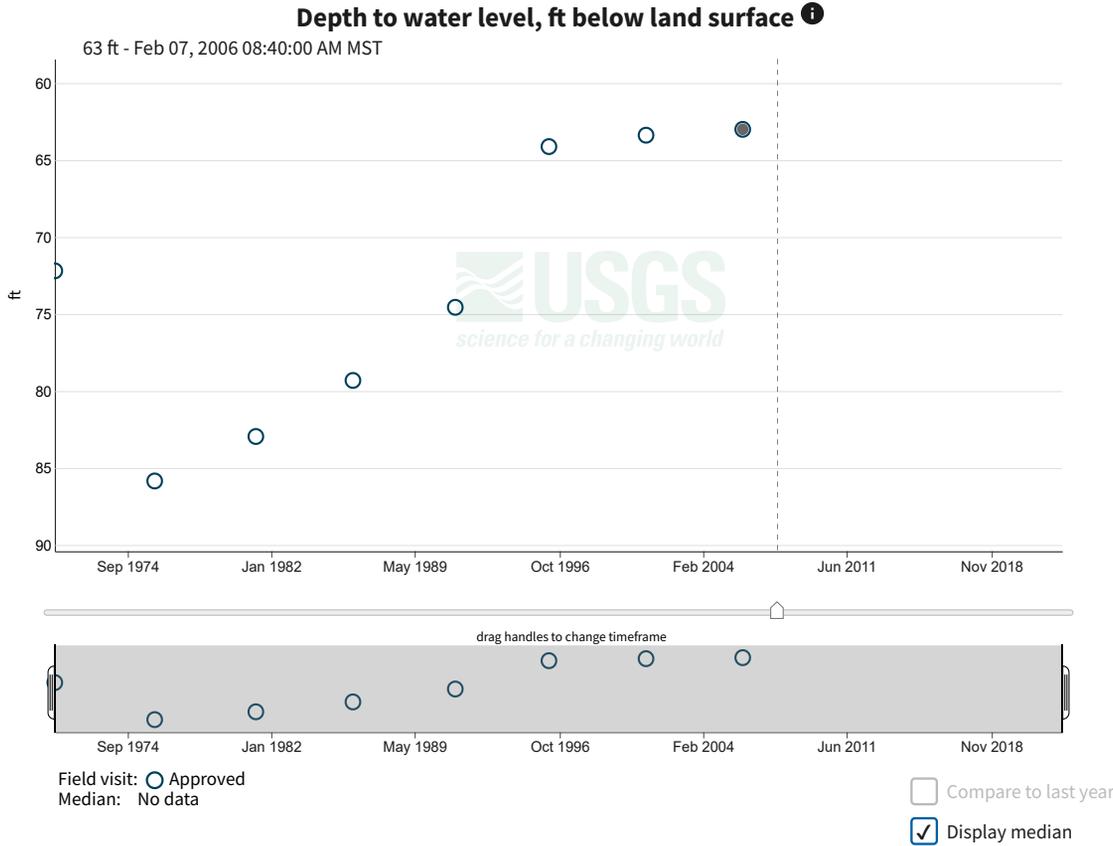


IMPORTANT [Inventory Page](#) i

Monitoring location 321403103300301 is associated with a WELL in LEA COUNTY, NEW MEXICO. Water data back to 1970 are available online.

1 year 10 years Period of record

Change time span | **Retrieve data**



IMPORTANT Data may be provisional - [learn more](#)

Select Data to Graph

<input checked="" type="radio"/> Depth to water level, ft below land surface	1970-12-08 to 2006-02-07
<input type="radio"/> Groundwater level above NAVD 1988, ft	1970-12-08 to 2006-02-07
<input type="radio"/> Groundwater level above NGVD 1929, feet	1970-12-08 to 2006-02-07

Hydrograph data table(s) —

Field visit data

Parameter	Time	Result	Accuracy	Approval	Qualifiers
Depth to water level, ft below land surface	1970-12-08	72.19	0.01	Approved	Above, Pumping
Depth to water level, ft below land surface	1976-01-16	85.84	0.01	Approved	Static

Questions or Comments

Parameter	Time	Result	Accuracy	Approval	Qualifiers
Depth to water level, ft below land surface	1981-03-19	82.95	0.01	Approved	Static
Depth to water level, ft below land surface	1986-03-06	79.31	0.01	Approved	Static
Depth to water level, ft below land surface	1991-05-30	74.56	0.01	Approved	Static
Depth to water level, ft below land surface	1996-03-13	64.12	0.01	Approved	Static
Depth to water level, ft below land surface	2001-02-28	63.38	0.01	Approved	Static
Depth to water level, ft below land surface	2006-02-07 08:40-07:00	63.00	0.01	Approved	Static

1

Retrieve data

Groundwater Data BETA +

[About the Network-Linked Data Index \(NLDI\)](#)

Affiliated Networks BETA -

[NWIS Monitoring Locations](#)

Summary of All Available Data -

USGS Parameter Group	Data Types	Start Date	End Date
Physical	Groundwater Levels	1970-12-08	2006-02-07

[Water Data for the Nation inventory](#)

Location Metadata +

Appendix B

Field Data



200 sq ft. Floors
50 ft. Walls
10k Cl- close

Sample Log

Date: 3/22/22

Project: Roy Batty Fed Com CTB

Project Number: 15784

Latitude: 32.22503

Longitude: -103.54155

Sample ID	PID/Odor	Chloride Conc.		GPS
NH @ surface	-	3.0	372	
NH @ 1'	-	2.8	332	
EH @ surface	-	2.4	260	
EH @ 1'	-	2.0	196	
SH @ surface	-	3.6	500	
SH @ 1'	-	2.0	372	
WH @ surface	-	2.2	228	
WH @ 1'	-	2.0	196	
SP1 @ surface	-	-	-	
SP1 @ 1'	+	2.0	260	
SP2 @ surface	-	-	-	
SP2 @ 1'	-	1.6	140	
				5/23/22
FS1 @ 1'	-	2.4	1220	
FS2	-	2.8	1552	
SWS1	-	2.6	1380	
SWS2	-	3.0	1732	
FS3	-	1.8	<1220	
FS4	-	2.2	<1220	5.4 1044
FS5	-	2.4	1220	
FS6	-	1.2	<1220	
FS7	-	1.6	<1220	
FS8	-	1.8	<1220	
FS9	-	1.4	<1220	
FS10	-	1.0	<1220	
FS11	-	1.4	<1220	
FS12	-	1.8	<1220	
FS13	-	1.0	<1220	
FS14	-	0.8	<1144	New bottle
FS15	-	1.2	<1144	
FS16	-	0.6	<1144	
FS17	-	1.0	<1144	
EW51	-	1.8	<1144	
WWS1	-	1.0	<1144	
FS20	-	1.4	<1144	
FS19	-	1.8	<1144	
FS18	-	1.6	<1144	

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

Appendix C

Laboratory Analytical Reports



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

March 24, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ROY BATTY FED COM CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/22/22 14:51.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: NH @ SURFACE (H221126-01)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/23/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	80.4	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	17.4	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: NH @ 1' (H221126-02)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/23/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	58.6	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	11.8	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: EH @ SURFACE (H221126-03)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: EH @ 1' (H221126-04)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SH @ SURFACE (H221126-05)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SH @ 1' (H221126-06)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 72.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: WH @ SURFACE (H221126-07)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: WH @ 1' (H221126-08)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 67.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 64.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 1 @ SURFACE (H221126-09)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1480	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	221	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	55.3	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 1 @ 1' (H221126-10)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.5 % 59.5-142

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Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 2 @ SURFACE (H221126-11)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.6	10.0	03/23/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	1160	10.0	03/23/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	188	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	** (See Notes)
Project Number:	15784	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 2 @ 1' (H221126-12)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/23/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2022	ND	179	89.3	200	5.32	
DRO >C10-C28*	<10.0	10.0	03/24/2022	ND	208	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	03/24/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Notes and Definitions

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

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May 25, 2022

KATHY PURVIS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ROY BATTY FED COM CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/24/22 14:48.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 1 @ 1' (H222204-01)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	210	105	200	4.31	
DRO >C10-C28*	58.8	10.0	05/24/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	14.9	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 71.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 2 @ 1' (H222204-02)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	210	105	200	4.31	
DRO >C10-C28*	23.0	10.0	05/24/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 3 @ 1' (H222204-03)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	28.7	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 4 @ 1' (H222204-04)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	154	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	51.4	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 67.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 5 @ 1' (H222204-05)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.5 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 6 @ 1' (H222204-06)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.0 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 7 @ 1' (H222204-07)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	21.2	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.5 % 59.5-142

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 8 @ 1' (H222204-08)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.9 % 59.5-142

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Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 9 @ 1' (H222204-09)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.2 % 59.5-142

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Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 10 @ 1' (H222204-10)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.19	109	2.00	8.30	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	8.62	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.11	105	2.00	8.85	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.52	109	6.00	8.44	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	31.6	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.1 % 59.5-142

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 11 @ 1' (H222204-11)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 66.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 67.1 % 59.5-142

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Analytical Results For:

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 2617 W MARLAND
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Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 12 @ 1' (H222204-12)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	31.7	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.8 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
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Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 13 @ 1' (H222204-13)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	26.7	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 14 @ 1' (H222204-14)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/24/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.9 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 15 @ 1' (H222204-15)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.1 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 16 @ 1' (H222204-16)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	210	105	200	4.31	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	203	102	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.5 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 17 @ 1' (H222204-17)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2		
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6		
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58		
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20		
Total BTEX	<0.300	0.300	05/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	217	109	200	1.27		
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	211	105	200	3.38		
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND						

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 18 @ 1' (H222204-18)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	217	109	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 98.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 19 @ 1' (H222204-19)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	217	109	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 20 @ 1' (H222204-20)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	217	109	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: SW S1 @ 0' - 1' (H222204-21)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	05/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	217	109	200	1.27	
DRO >C10-C28*	206	10.0	05/24/2022	ND	211	105	200	3.38	
EXT DRO >C28-C36	55.6	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Analytical Results For:

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

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: SW S2 @ 0' - 1' (H222204-22)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	05/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	217	109	200	1.27	
DRO >C10-C28*	404	10.0	05/25/2022	ND	211	105	200	3.38	
EXT DRO >C28-C36	82.7	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: EW S1 @ 0' - 1' (H222204-23)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	217	109	200	1.27	
DRO >C10-C28*	25.9	10.0	05/25/2022	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 KATHY PURVIS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	05/24/2022	Sampling Date:	05/23/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: WW S1 @ 0' - 1' (H222204-24)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2022	ND	2.15	108	2.00	10.2	
Toluene*	<0.050	0.050	05/25/2022	ND	2.14	107	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.00	100	2.00	9.58	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.20	103	6.00	9.20	
Total BTEX	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	217	109	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



ARDINAL 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				ANALYSIS REQUEST																			
Project Manager: Kathy Purvis				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)																	
Address: 2617 W Marland				Company COG c/o Jacqui Harris																							
City: Hobbs		State: NM		Zip: 88240		Attn:																					
Phone #: (575) 264-9884		Fax #:		Address:																							
Project #: 15784		Project Owner: COG		City:																							
Project Name: Roy Batty Fed Com CTB				State:							Zip:																
Project Location: Rural Lea County, NM				Phone #:																							
Sampler Name: Matthew Grieco				Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	GRAB OR (C)OMP. # CONTAINERS	MATRIX							PRESERV.		SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL				SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
	H022204																										
	11	FS11 @ 1'	C 1		X					X			5/23/22		X	X	X										
	12	FS12 @ 1'	C 1		X					X			5/23/22		X	X	X										
	13	FS13 @ 1'	C 1		X					X			5/23/22		X	X	X										
	14	FS14 @ 1'	C 1		X					X			5/23/22		X	X	X										
	15	FS15 @ 1'	C 1		X					X			5/23/22		X	X	X										
	16	FS16 @ 1'	C 1		X					X			5/23/22		X	X	X										
	17	FS17 @ 1'	C 1		X					X			5/23/22		X	X	X										
	18	FS18 @ 1'	C 1		X					X			5/23/22		X	X	X										
	19	FS19 @ 1'	C 1		X					X			5/23/22		X	X	X										
	20	FS20 @ 1'	C 1		X					X			5/23/22		X	X	X										
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Relinquished By: <i>[Signature]</i>				Date: 5-24-22		Received By: <i>[Signature]</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:															
				Time: 1448						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:															
Relinquished By:				Date:		Received By:				REMARKS: <i>Rush Samples</i> Please email results and copy of CoC to pm@etechenv.com.																	
				Time:																							
Delivered By: (Circle One) <i>-7.78 C-0.52</i>				Sample Condition				CHECKED BY: (Initials) <i>SR</i>																			
Sampler - UPS - Bus - Other: <i>-8.22 #113</i>				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																							



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

May 27, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ROY BATTY FED COM CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/26/22 11:10.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 21 @ 1' (H222243-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/27/2022	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 141 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 22 @ 1' (H222243-02)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/27/2022	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 131 % 66.9-136

Surrogate: 1-Chlorooctadecane 142 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 23 @ 1' (H222243-03)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/27/2022	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 24 @ 1' (H222243-04)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 25 @ 1' (H222243-05)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 26 @ 1' (H222243-06)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 27 @ 1' (H222243-07)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16		
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533		
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791		
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323		
Total BTEX	<0.300	0.300	05/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29		
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11		
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND						

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 28 @ 1' (H222243-08)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Analytical Results For:

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 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
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Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 29 @ 1' (H222243-09)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 141 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 30 @ 1' (H222243-10)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 142 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 31 @ 1' (H222243-11)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 32 @ 1' (H222243-12)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 141 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 33 @ 1' (H222243-13)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 34 @ 1' (H222243-14)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 35 @ 1' (H222243-15)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 141 % 59.5-142

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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: NWS 1 (H222243-16)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: NWS 2 (H222243-17)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 128 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: WWS 2 (H222243-18)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/24/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: EWS 2 (H222243-19)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2022	ND	2.07	104	2.00	1.16	
Toluene*	<0.050	0.050	05/26/2022	ND	2.05	102	2.00	0.533	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.94	97.2	2.00	0.791	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	6.00	100	6.00	0.0323	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	191	95.7	200	5.29		
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	192	95.8	200	9.11		
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND						

Surrogate: 1-Chlorooctane 183 % 66.9-136

Surrogate: 1-Chlorooctadecane 202 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



ARDINAL 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				ANALYSIS REQUEST									
Project Manager: <i>Kathy Purvis</i>		P.O. #:				Chloride TPH (8015M) BTEX (8021B)									
Address: <i>P.O. Box 307 2617 W. Marland</i>		Company: <i>CDP</i>													
City: <i>Levington Hobbs</i> State: <i>NM</i> Zip: <i>88260 88240</i>		Attn: <i>Charles Bamba</i>													
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address:													
Project #: <i>15784</i> Project Owner: <i>CDP</i>		City:													
Project Name: <i>Roy Batty Fed Com CTB</i>		State: Zip:													
Project Location: <i>Rural Lea</i>		Phone #:													
Sampler Name: <i>Alan Kios</i>		Fax #:													
FOR LAB USE ONLY				MATRIX								PRESERV.		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER							SOIL	OIL	SLUDGE	OTHER :
<i>H22243</i>	<i>FS 21 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>							<i>5/24/22</i>		
<i>1</i>	<i>FS 22 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>2</i>	<i>FS 23 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>3</i>	<i>FS 24 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>4</i>	<i>FS 25 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>5</i>	<i>FS 26 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>6</i>	<i>FS 27 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>7</i>	<i>FS 28 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>8</i>	<i>FS 29 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>9</i>	<i>FS 29 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									
<i>10</i>	<i>FS 30 @ 1'</i>	<i>C</i>	<i>1</i>			<input checked="" type="checkbox"/>									

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Relinquished By: <i>[Signature]</i>	Date: <i>5/24/22</i> Time: <i>5:00pm</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: <i>5/26/20</i> Time: <i>11:0</i>	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>-8.4°C - 0.5°C</i>	Sample Condition	CHECKED BY: <i>[Signature]</i>	REMARKS: <i>Push!</i>	
Sampler - UPS - Bus - Other: <i>-8.9°C #113</i>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Please email results to pm@etechenv.com.	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 23 of 23

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST					
Project Manager: Kathy Purvis		P.O. #:		Chloride TPH (8016M) BTEX (8021B)					
Address: P.O. Box 304 2617 W. Marland		Company: COP							
City: Lovington Hobbs State: NM Zip: 88260 88240		Attn: Charles Beaudis							
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address:							
Project #: 15784 Project Owner: COP		City:							
Project Name: Roy Batty Fed Com CTB		State: Zip:							
Project Location: Rural Lea		Phone #:							
Sampler Name: Aaron Kios		Fax #:							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH (8016M)	BTEX (8021B)
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
10222243																
11	FS 31 e1'	C			✓				✓			5/21/22		X	X	X
12	FS 32 e1'				↓				↓							
13	FS 33 e1'				↓				↓							
14	FS 34 e1'				↓				↓							
15	FS 35 e1'				↓				↓							
16	NWS 1				↓				↓							
17	NWS 2				↓				↓							
18	NWS 2				↓				↓							
19	EWS 2				↓				↓							

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Relinquished By: AK	Date: 5/24/22 Time: 5:00pm	Received By: KAK	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: Add'l Fax #:	
Relinquished By: AK	Date: 5/20/22 Time: 11:10	Received By: Sfodeigney	REMARKS: Push! Please email results to pm@etechenv.com.		
Delivered By: (Circle One) -8.4°C -0.5°C	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) SK			
Sampler - UPS - Bus - Other: -8.9°C #113					



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

May 27, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: ROY BATTY FED COM CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/26/22 16:25.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/26/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 1 @ 2' (H222262-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	100	2.00	3.23	
Toluene*	<0.050	0.050	05/27/2022	ND	1.96	98.1	2.00	3.90	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.86	92.8	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.81	96.8	6.00	3.74	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/26/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 2 @ 3' (H222262-02)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	100	2.00	3.23	
Toluene*	<0.050	0.050	05/27/2022	ND	1.96	98.1	2.00	3.90	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.86	92.8	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.81	96.8	6.00	3.74	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 140 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/26/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 4 @ 2' (H222262-03)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	100	2.00	3.23	
Toluene*	<0.050	0.050	05/27/2022	ND	1.96	98.1	2.00	3.90	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.86	92.8	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.81	96.8	6.00	3.74	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/26/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: FS 5 @ 2' (H222262-04)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	100	2.00	3.23	
Toluene*	<0.050	0.050	05/27/2022	ND	1.96	98.1	2.00	3.90	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.86	92.8	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.81	96.8	6.00	3.74	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/26/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: SWS B 1 (H222262-05)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	100	2.00	3.23	
Toluene*	<0.050	0.050	05/27/2022	ND	1.96	98.1	2.00	3.90	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.86	92.8	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.81	96.8	6.00	3.74	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	16.5	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/26/2022	Sampling Date:	05/26/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	ROY BATTY FED COM CTB	Sampling Condition:	Cool & Intact
Project Number:	15784	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - LEA CO NM		

Sample ID: SWS B 2 (H222262-06)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	100	2.00	3.23	
Toluene*	<0.050	0.050	05/27/2022	ND	1.96	98.1	2.00	3.90	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.86	92.8	2.00	3.79	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.81	96.8	6.00	3.74	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/27/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Appendix D Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: Northwest	
Photo Description: View of the affected area.	

Photo Number: 2	
Photo Direction: West	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photo Number: 4	
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	 <p>May 23, 2022 at 8:00:26 AM +32.225053,-103.541431 ±5.00m 265° W</p>
Photo Direction: West	
Photo Description: View of the excavated area.	

Photo Number: 6	 <p>May 23, 2022 at 8:00:47 AM +32.224963,-103.541489 ±5.00m 356° N</p>
Photo Direction: North	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 7	
Photo Direction: North	
Photo Description: View of the excavated area.	

Photo Number: 8	
Photo Direction: South-Southwest	
Photo Description: View of the remediated area after backfilling and regrading.	

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
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 116251

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 116251
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/14/2022