State of New Mexico
Oil Conservation Division

Incident ID	nAPP2133540189
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☑ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☑ Extents of contamination must be fully delineated.

☑ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete 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: Jacqui Harris Date: 5.13.22

email: Jacqui.Harris@conocophillips.com Telephone: (575) 745-1807

OCD Only

Received by: Date:

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: Jennifer Nobui Date: 05/26/2022

Remediation Summary & Deferral Request

COG Operating, LLC
Lyche BWS State Com 001H
Lea County, New Mexico
Unit Letter "O", Section 22, Township 21 South, Range 34 East
Latitude 32.458220 North, Longitude 103.45538 West
NMOCD Reference No. nAPP2133540189

Prepared By:

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

Ben J. Arguijo

Joel V. Lowry

ETECH Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of COG Operating, LLC, has prepared this *Remediation Summary & Deferral Request* for the release site known as the Lyche BWS State Com 001H (henceforth, "Lyche 001H"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.458220 Longitude: -103.45538

Provided GPS are in WGS84 format.

Site Name:	Lyche BWS State Com 001H	Site Type:	Tank Battery
Date Release Discovered:	11/13/2021	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"O"	22	21S	34E	Lea

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[X] Crude Oil	Volume Released (bbls) 0.2	Volume Recovered (bbls) 0
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	[ ] Yes [ ] No [X] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
The release was caused by a heater losing pressure and the dump valve sweeping into the flare line. No fluid was recovered due to the fire burning off any standing liquid. The flare fire occurred on the pad. The release affected a total area of the caliche pad and adjacent pasture measuring approximately 10,180 square feet.

Initial Response

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

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

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Lyche 001H 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?	115'
Did the release impact groundwater or surface water?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	[ ] Yes [X] No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	[ ] Yes [X] No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	[ ] Yes [X] No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	[ ] Yes [X] No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of a wetland?	[ ] Yes [X] No
Are the lateral extents of the release overlying a subsurface mine?	[ ] Yes [X] No
Are the lateral extents of the release overlying an unstable area such as karst geology?	[ ] Yes [X] No
Are the lateral extents of the release within a 100-year floodplain?	[ ] Yes [X] No
Did the release impact areas not on an exploration, development, production or storage site?	[X] Yes [ ] No

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Lyche 001H release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
115'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	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 November 16, 2021, Etech conducted an initial site assessment. During the site assessment, three (3) hand-augered soil bores (SP1, SP2, and SP3) were advanced to the extent practicable 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 14 delineation soil samples (NH @ Surface, NH @ 1', EH @ Surface, EH @ 1', SH @ Surface, SH @ 1', WH @ Surface, WH @ 1', SP 1 @ Surface, SP 1 @ 1', SP 2 @ Surface, SP 2 @ 1' - R, SP 3 @ Surface, and SP 3 @ 1') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizintal and vertical extent of impacted soil was adequately defined in the areas characterized by sample points SP1 and SP3, and soil was not affected above the NMOCD Closure Criteria beyond one (1) foot below ground surface (bgs) in those areas. However, additional vertical delineation and/or excavation was required in the area characterized by sample point SP2.

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

5.0 REMEDIATION ACTIVITIES SUMMARY

On February 16, 2022, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled 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 NMOCD Reclamation Standards.

On February 17, 2022, Etech collected six (6) confirmation soil samples (F1, F2, F3, F8, F9, and F10) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX concentrations were also below the laboratory method detection limit (MDL). TPH concentrations ranged from less than the laboratory MDL in soil sample F10 to 5,390 mg/kg in soil sample F2. Chloride concentrations ranged from less than the laboratory MDL in soil sample F2 to 176 mg/kg in soil sample F10.

In addition, Etech collected two (2) soil samples (OS1 and OS2) from an area within the pasture on the north side of the caliche access road inferred to have been affected by a light overspray from the release. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. The chloride concentration in each soil sample was 16.0 mg/kg.

On February 18, 2022, Etech collected 16 confirmation soil samples (NSW1, ESW1, ESW2, ESW3, WSW1, F4 through F7, and F11 through F17) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX

concentrations were also below the laboratory MDL. TPH concentrations ranged from less than the laboratory MDL in soil samples NSW1, ESW1, ESW2, ESW3, F4, F5, F15, and F17 to 1,160 mg/kg in soil sample F12. Chloride concentrations ranged from 32.0 mg/kg in soil samples NSW1, ESW2, F14, and F17 to 160 mg/kg in soil sample WSW1.

On February 21, 2022, the excavation was further advanced in the areas characterized by soil samples F1, F2, F3, and F8. Etech collected 26 confirmation soil samples (SSW1, SSW2, WSW2, WSW3, F1 B, F2 B, F3 B, F8 B, and F20 through F37) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX concentrations were also below the laboratory MDL. TPH concentrations ranged from less than the laboratory MDL in soil samples WSW2, WSW3, F1 B, F2 B, F3 B, F8 B, F28, and F32 to 1,299 mg/kg in soil sample F26. Chloride concentrations ranged from 32.0 mg/kg in soil samples F20 and F29 to 224 mg/kg in soil sample F24.

On February 22, 2022, the excavation was further advanced in the areas characterized by soil samples F7, F12, F14, and F16. Etech collected four (4) confirmation soil samples (F7 B, F12 B, F14 B, and F16 B) from the floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from less than the laboratory MDL in samples F7 B, F12 B, and F14 B to 43.7 mg/kg in soil sample F16 B.

On February 23, 2022, Etech collected a composite soil sample (DEF1) from the sidewall of the excavation beneath/adjacent to the flare and associated piping/appurtenances in an effort to further characterize the affected area requiring deferral of remediation. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. BTEX concentrations were also below the laboratory MDL. However, additional delineation was required to determine the vertical extent of TPH contamination.

On February 24, 2022, the excavation was further advanced in the areas characterized by soil samples SSW1, F18 through F27, F29, F30, and F34 through F37). Etech collected 17 confirmation soil samples (SSW1 B, F18 B through F27 B, F29 B, F30 B, and F34 B through F37 B) from the sidewalls and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from less than the laboratory MDL in samples SSW1 B, F19 B through F27 B, F29 B, and F34 B to 46.9 mg/kg in sample F30 B.

On February 25, 2022, Etech collected an additional composite soil sample (DEF1 B) from the sidewall of the excavation beneath/adjacent to the flare in an effort to determine the vertical extent of contamination in the area to be deferred. The soil sample was submitted to the laboratory for analysis of TPH. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria or NMOCD Reclamation Standards beyond three (3) feet bgs in the area characterized by soil sample DEF1 B.

The final dimensions of the excavated area were approximately 162 feet in length, 20 to 65 feet in width, and six (6) inches to three (3) feet in depth. During the course of remediation activities, Etech transported approximately 260 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 3B, "Site & Sample Location Map (Excavation)". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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

7.0 DEFERRAL REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX and chloride are below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Remediation of TPH-impacted soil affected above the NMOCD Closure Criteria remaining in-situ adjacent to and/or beneath the flare and associated pipes/appurtenances will be completed upon decommissioning and abandonment of the facility, in accordance with Section 19.15.29.13 NMAC.

Based on laboratory analytical results and field activities conducted to date, Etech recommends COG Operating, LLC, provide copies of this *Remediation Summary & Deferral Request* to the appropriate agencies and cease remediation activities at the Lyche 001H release site.

8.0 LIMITATIONS

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

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

9.0 DISTRIBUTION

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

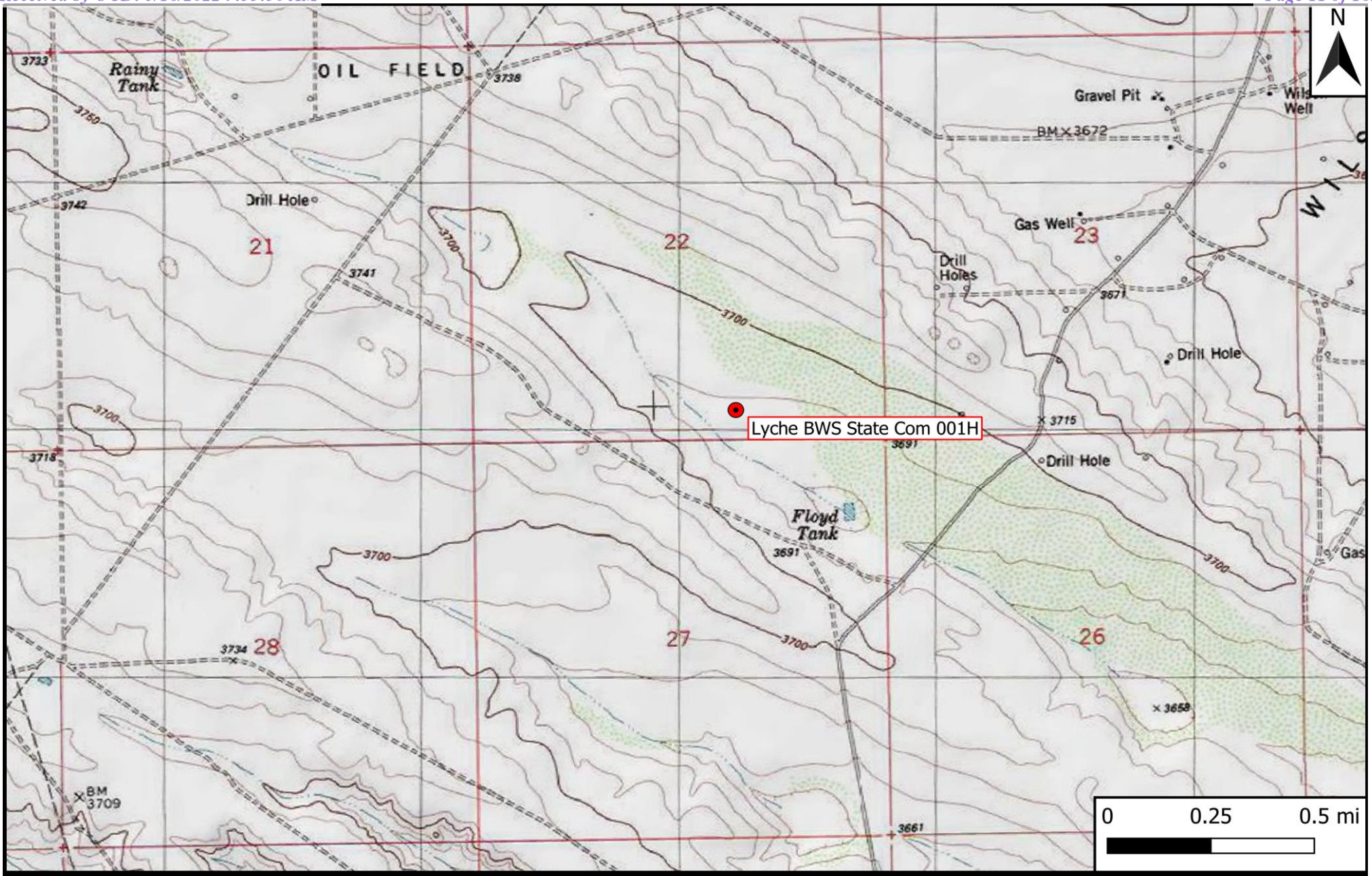
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

Hobbs Field Office
New Mexico State Land Office
2827 North Dal Paso Street
Suite 117
Hobbs, NM 88240

Merchant Livestock Company
P.O. Box 1105
Eunice, NM 88231

(Electronic Submission)

Figure 1
Topographic Map



Legend

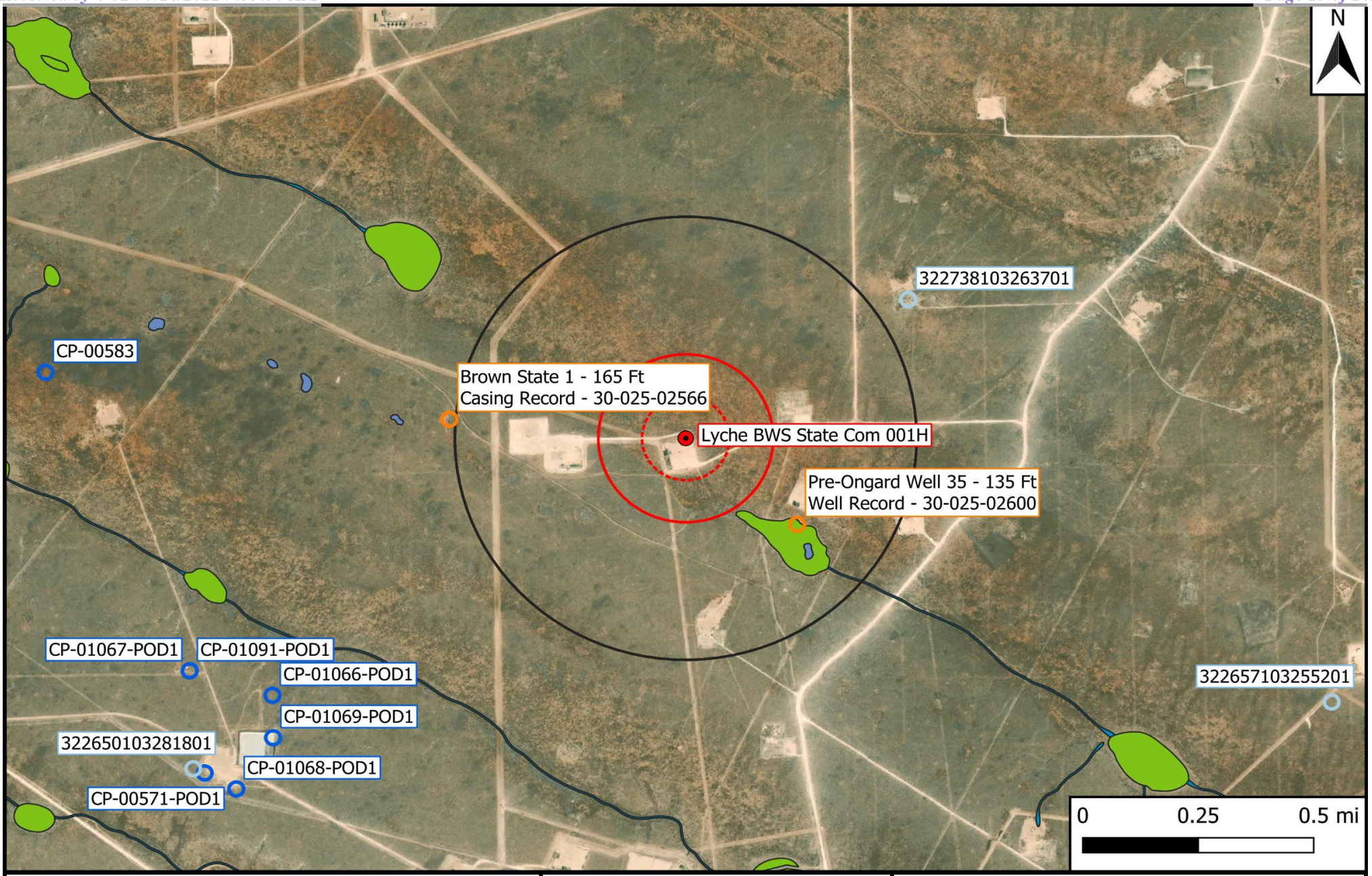
- Site Location

Figure 1
Topographic Map
COG Operating, LLC
Lyche BWS State Com 001H
GPS: 32.45822, -103.45538
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/18/22

Figure 2
Aerial Proximity Map



Legend

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

Figure 2

Aerial Proximity Map

COG Operating, LLC

Lyche BWS State Com 001H

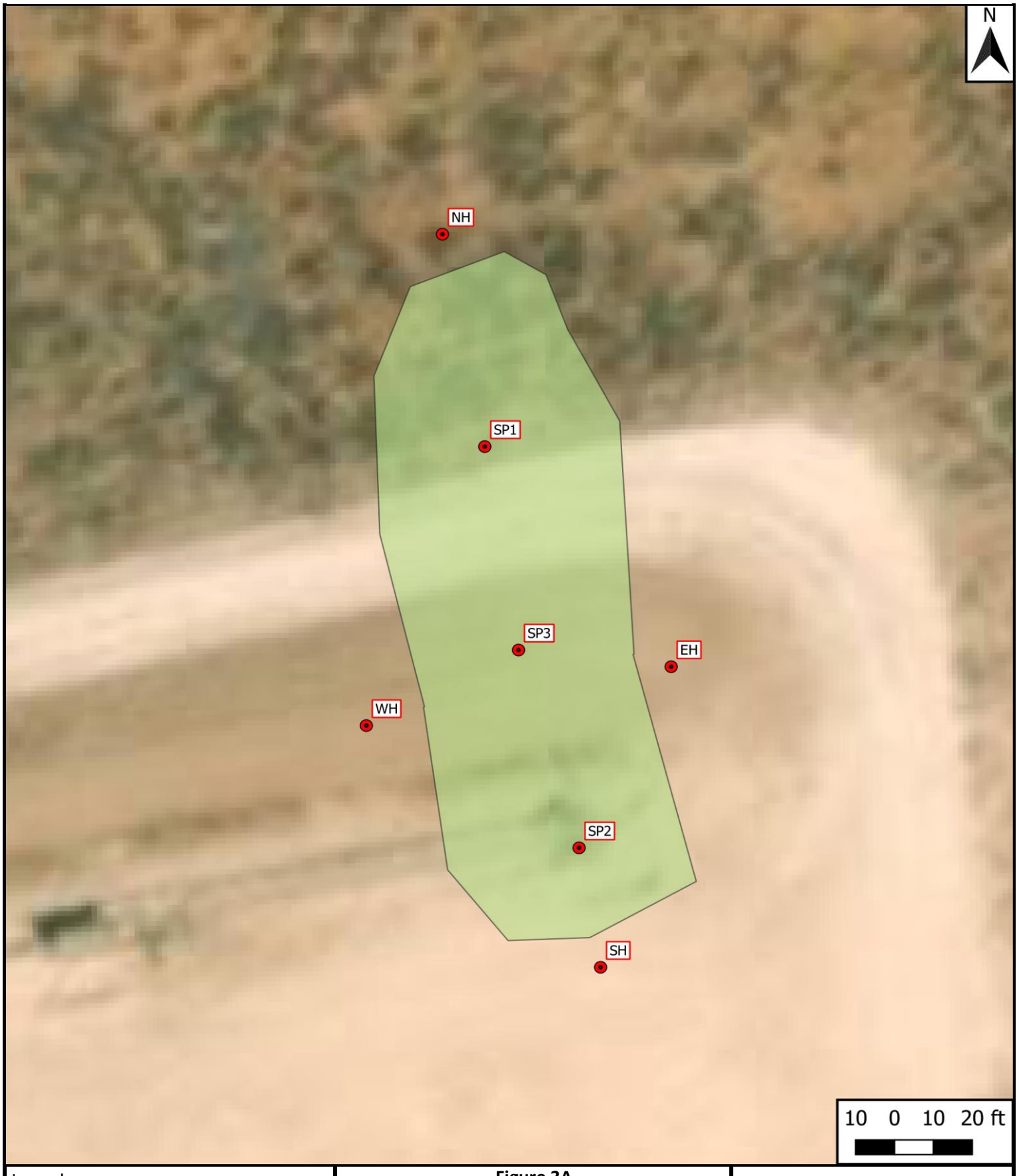
GPS: 32.458220, -103.45538

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/18/22

Figure 3A & 3B
Site & Sample Location Maps



Legend

- Affected Area (≈10,180 ft²)
- Auger Hole

Figure 3A

Site & Sample Location Map (Delineation)

COG Operating, LLC

Lyche BWS State Com 001H

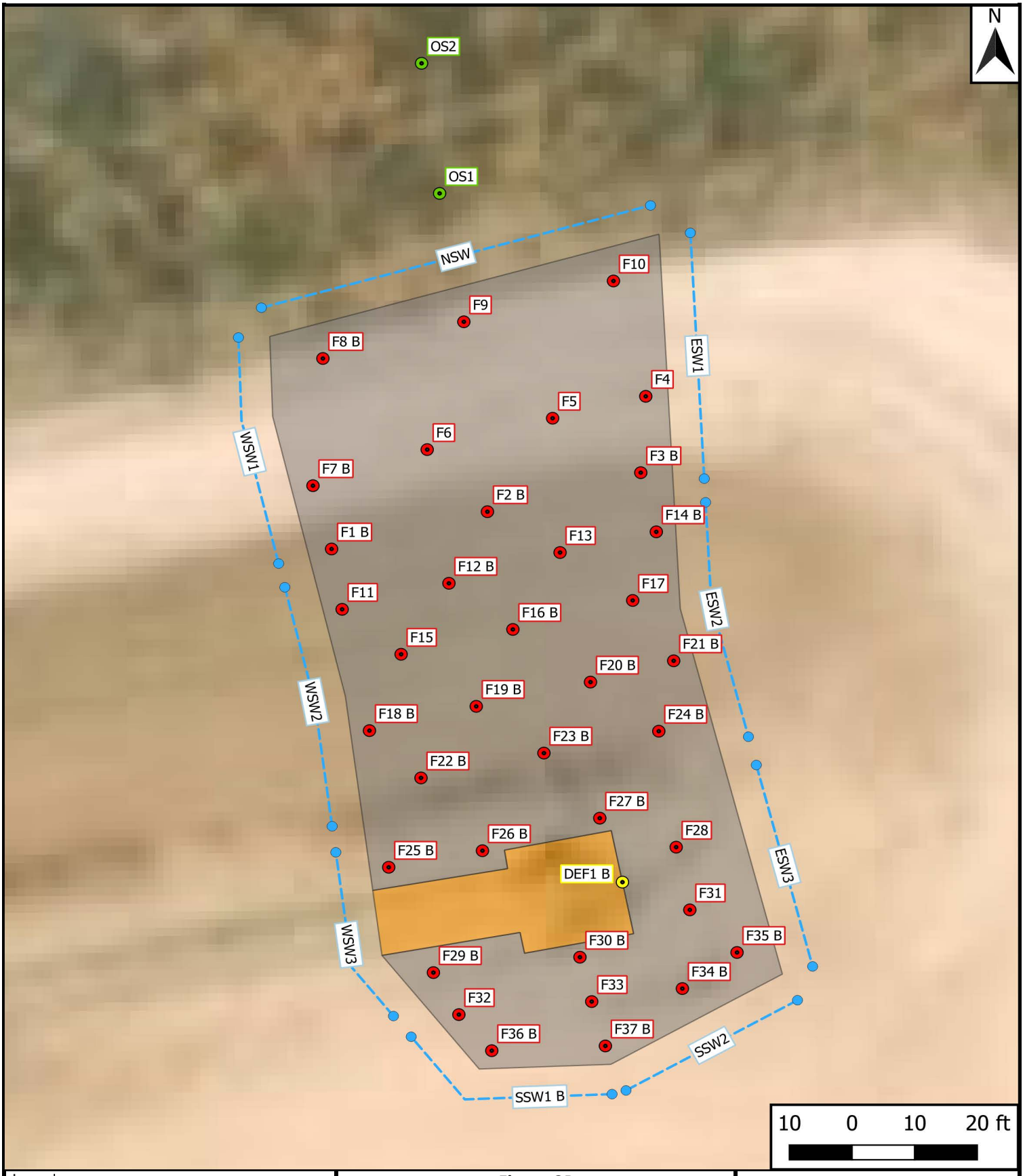
GPS: 32.45822, -103.45538

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl Date: 3/31/22



Legend

- Excavated Area
- Area to be Deferred
- Composite Floor Sample
- Composite Wall Sample
- Deferral Characterization Sample
- Sample Location

Figure 3B

Site & Sample Location Map (Excavation)

COG Operating, LLC

Lyche BWS State Com 001H

GPS: 32.45822, -103.45538

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl Date: 4/1/22

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
COG Operating, LLC
Lyche BWS State Com 001H
NMOCD Ref. #: nAPP2133540189

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
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 & Deferral Characterization Samples											
NH @ Surface	11/16/2021	0	In-Situ	<0.050	<0.300	<10.0	17.0	17.0	<10.0	17.0	32.0
NH @ 1'	11/16/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH @ Surface	11/16/2021	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH @ 1'	11/16/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH @ Surface	11/16/2021	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SH @ 1'	11/16/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WH @ Surface	11/16/2021	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WH @ 1'	11/16/2021	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP1 @ Surface	11/16/2021	0	Excavated	<0.050	<0.300	<10.0	183	183	83.3	266	<16.0
SP1 @ 1'	11/16/2021	1	In-Situ	<0.050	<0.300	<10.0	52.7	52.7	28.9	81.6	<16.0
SP2 @ Surface	11/16/2021	0	Excavated	0.593	**75.9**	674	16,100	**16,800**	6,080	**22,900**	48.0
SP2 @ 1' - R	11/16/2021	1	Excavated	<0.050	0.529	15.6	437	453	257	*710*	16.0
SP3 @ Surface	11/16/2021	0	Excavated	<0.050	<0.300	<10.0	1,080	**1,080**	386	1,470	32.0
SP3 @ 1'	11/16/2021	1	In-Situ	<0.050	<0.300	<10.0	46.9	46.9	15.8	62.7	<16.0
OS1	2/17/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
OS2	2/17/2022	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
DEF1	2/23/2022	1	Deferral	<0.050	<0.300	<10.0	341	341	68.2	409	48.0
DEF1 B	2/25/2022	2	Deferral	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
Excavation Samples											
NSW1	2/18/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
ESW1	2/18/2022	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
ESW2	2/18/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
ESW3	2/18/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SSW1	2/21/2022	1	Excavated	<0.050	<0.300	<10.0	91.2	91.2	14.1	*105*	128
SSW1 B	2/24/2022	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
SSW2	2/21/2022	2	In-Situ	<0.050	<0.300	<10.0	13.8	13.8	<10.0	13.8	64.0
WSW1	2/18/2022	1	In-Situ	<0.050	<0.300	<10.0	57.2	57.2	20.4	77.6	160
WSW2	2/21/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WSW3	2/21/2022	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
F1	2/17/2022	0.5	Excavated	<0.050	<0.300	<10.0	1,810	**1,810**	571	2,380	16.0
F1 B	2/21/2022	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F2	2/17/2022	0.5	Excavated	<0.050	<0.300	<10.0	4,360	**4,360**	1,030	**5,390**	<16.0
F2 B	2/21/2022	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F3	2/17/2022	0.5	Excavated	<0.050	<0.300	<10.0	419	419	183	602	16.0
F3 B	2/21/2022	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F4	2/18/2022	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
F5	2/18/2022	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
F6	2/18/2022	0.5	In-Situ	<0.050	<0.300	<10.0	18.7	18.7	<10.0	18.7	144
F7	2/18/2022	0.5	Excavated	<0.050	<0.300	<10.0	103	103	37.7	*141*	80.0
F7 B	2/22/2022	1	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-

Dash (-): Not applicable OR Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Italics: Sample location was excavated to NMOCD Reclamation Standards.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
COG Operating, LLC
Lyche BWS State Com 001H
NMOCD Ref. #: nAPP2133540189

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
F8	2/17/2022	0.5	Excavated	<0.050	<0.300	<10.0	76.7	76.7	25.0	*102*	80.0
F8 B	2/21/2022	1.5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F9	2/17/2022	0.5	In-Situ	<0.050	<0.300	<10.0	34.9	34.9	10.5	45.4	80.0
F10	2/17/2022	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
F11	2/18/2022	0.5	In-Situ	<0.050	<0.300	<10.0	46.1	46.1	<10.0	46.1	80.0
F12	2/18/2022	0.5	Excavated	<0.050	<0.300	<10.0	869	869	291	1,160	48.0
F12 B	2/22/2022	1	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F13	2/18/2022	0.5	In-Situ	<0.050	<0.300	<10.0	23.2	23.2	<10.0	23.2	48.0
F14	2/18/2022	0.5	Excavated	<0.050	<0.300	<10.0	108	108	31.1	139	32.0
F14 B	2/22/2022	1	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F15	2/18/2022	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
F16	2/18/2022	0.5	Excavated	<0.050	<0.300	<10.0	221	221	59.3	280	96.0
F16 B	2/22/2022	1	In-Situ	-	-	<10.0	43.7	43.7	<10.0	43.7	-
F17	2/18/2022	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
F18 B	2/24/2022	3	In-Situ	-	-	<10.0	22.7	22.7	<10.0	22.7	-
F19 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F20	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	472	472	161	633	32.0
F20 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F21	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	220	220	86.1	306	160
F21 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F22	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	627	627	152	*779*	208
F22 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F23	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	930	930	264	*1,190*	96.0
F23 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F24	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	466	466	196	*662*	224
F24 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F25	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	221	221	116	*337*	160
F25 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F26	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	1,040	**1,040**	259	1,300	64.0
F26 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F27	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	501	501	271	*772*	80.0
F27 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F28	2/21/2022	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
F29	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	570	570	147	*717*	32.0
F29 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F30	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	727	727	266	*993*	48.0
F30 B	2/24/2022	3	In-Situ	-	-	<10.0	46.9	46.9	<10.0	46.9	-
F31	2/21/2022	1.5	In-Situ	<0.050	<0.300	<10.0	12.2	12.2	<10.0	12.2	80.0
F32	2/21/2022	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
F33	2/21/2022	1.5	In-Situ	<0.050	<0.300	<10.0	12.2	12.2	<10.0	12.2	144
F34	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	856	856	237	*1,090*	80.0

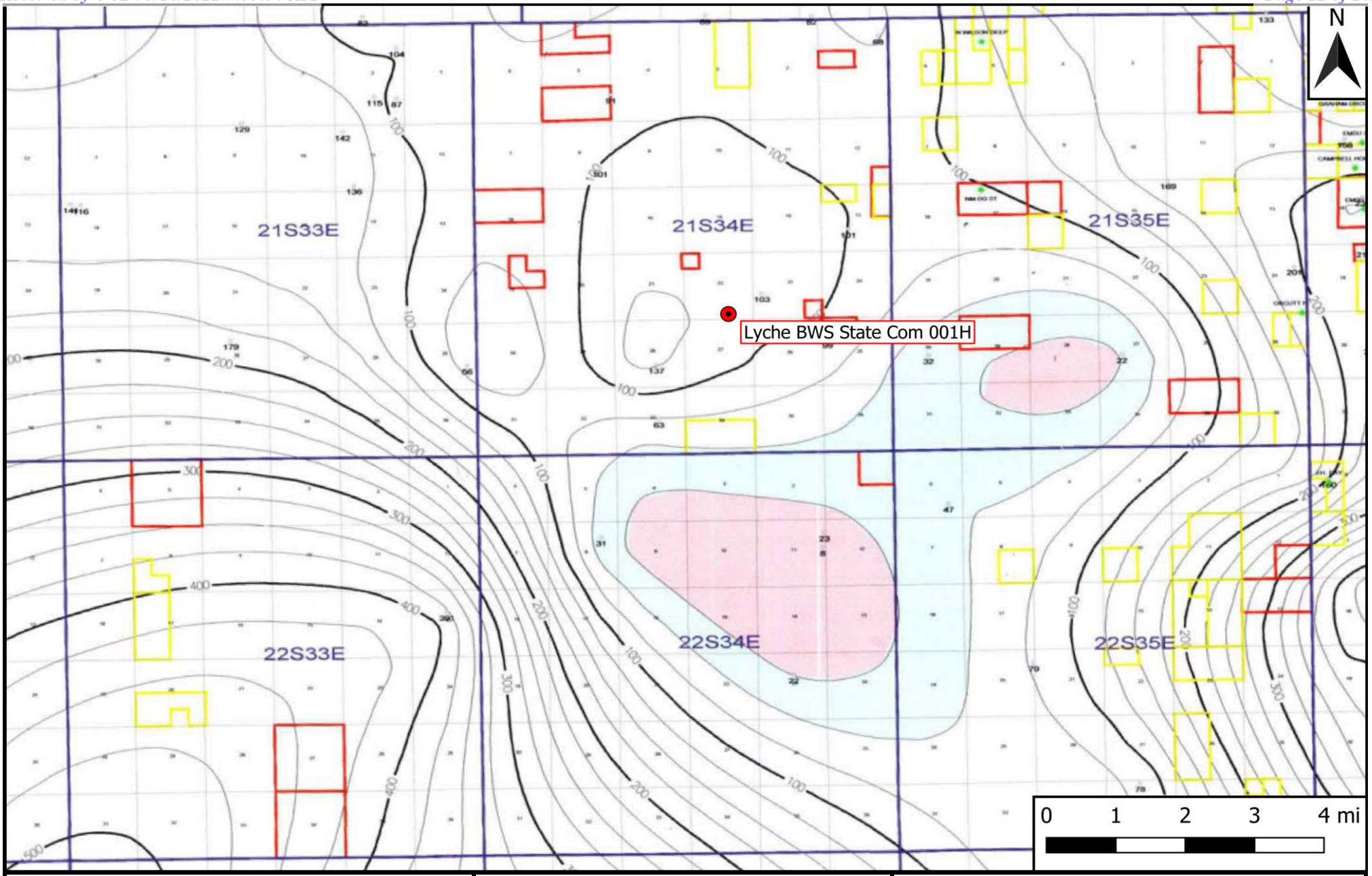
Dash (-): Not applicable OR Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Italics: Sample location was excavated to NMOCD Reclamation Standards.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
COG Operating, LLC
Lyche BWS State Com 001H
NMOCD Ref. #: nAPP2133540189

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
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)**
F34 B	2/24/2022	3	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
F35	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	87.5	87.5	80.9	*168*	64.0
F35 B	2/24/2022	3	In-Situ	-	-	<10.0	21.3	21.3	<10.0	21.3	-
F36	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	601	601	168	*769*	144
F36 B	2/24/2022	3	In-Situ	-	-	<10.0	13.9	13.9	<10.0	13.9	-
F37	2/21/2022	1.5	Excavated	<0.050	<0.300	<10.0	487	487	131	*618*	64.0
F37 B	2/24/2022	3	In-Situ	-	-	<10.0	15.4	15.4	<10.0	15.4	-

Dash (-): Not applicable OR Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Italics: Sample location was excavated to NMOCD Reclamation Standards.

Appendix A
Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

COG Operating, LLC

Lyche BWS State Com 001H

GPS: 32.45822, -103.45538

Lea County

ETECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/18/22

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01066 POD1	CP	LE	4	3	2	28	21S	34E	643735	3591345	1715	210	140	70
CP 01069 POD1	CP	LE	2	1	4	28	21S	34E	643737	3591191	1802	210	140	70
CP 01067 POD1	CP	LE	1	3	4	28	21S	34E	643447	3591434	1923	210	140	70
CP 01091 POD1	CP	LE	3	3	2	28	21S	34E	643446	3591434	1923	200	140	60
CP 01068 POD1	CP	LE	4	1	4	28	21S	34E	643609	3591005	2018	180	140	40
CP 00571 POD1	CP	LE	3	1	4	28	21S	34E	643499	3591063	2070	170	135	35
CP 00583	CP	LE			3	21	21S	34E	642944	3592518*	2243	171	128	43
CP 00092 POD1	CP	LE	1	3	1	25	21S	34E	647479	3591694*	2377	196		

Average Depth to Water: **137 feet**

Minimum Depth: **128 feet**

Maximum Depth: **140 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 645174.88 **Northing (Y):** 3592278.13 **Radius:** 2414

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	CP 01066 POD1	4	3	2	28	21S	34E	643735	3591345

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

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

Drill Start Date: 03/16/2012 **Drill Finish Date:** 03/17/2012 **Plug Date:**

Log File Date: 03/22/2012 **PCW Rcv Date:** 07/10/2017 **Source:** Shallow

Pump Type: SUBMER **Pipe Discharge Size:** 3 **Estimated Yield:** 40 GPM

Casing Size: 6.21 **Depth Well:** 210 feet **Depth Water:** 140 feet

Water Bearing Stratifications:

Top	Bottom	Description
140	169	Sandstone/Gravel/Conglomerate
169	176	Other/Unknown

Meter Number: 15546 **Meter Make:** MASTER

Meter Serial Number: 1122117-09 **Meter Multiplier:** 1.0000

Number of Dials: 7 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
04/05/2013	2013	142100	A	RPT	Initial reading	0	
06/27/2013	2013	2257220	A	RPT	No ending reading provided	1.579	
06/27/2013	2013	1742720	A	RPT	Initial reading	0	
10/01/2013	2013	1102330	A	RPT		2.947	

****YTD Meter Amounts:**

Year	Amount
2013	4.526

Meter Number: 18286 **Meter Make:** BLANCETT

Meter Serial Number: 021250547 **Meter Multiplier:** 1.0000

Number of Dials: 9 **Meter Type:** Diversion

Unit of Measure: Barrels 42 gal. **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
07/01/2014	2014	165822	A	ap		0	
10/04/2014	2014	230960	A	ap		83.958	
01/01/2015	2015	298451	A	ap		86.991	
04/01/2015	2015	356212	A	ap		74.450	
07/01/2015	2015	402638	A	ap		59.840	

10/01/2015	2015	402994	A	ap	0.459	
10/31/2015	2015	402994	A	ap	0	
11/30/2015	2015	402994	A	ap	0	
03/31/2016	2016	402994	A	ap	0	
06/30/2016	2016	418633	A	ap	20.158	
07/27/2016	2016	442295	A	ap	30.499	
09/01/2016	2016	456591	A	ap	18.427	
10/01/2016	2016	470447	A	ap	17.859	
11/29/2016	2016	489642	A	ap	24.741	
12/31/2016	2016	490577	A	ap	1.205	
02/01/2017	2017	492662	A	ap	2.687	
03/01/2017	2017	492662	A	ap	0	
04/01/2017	2017	492662	A	ap	0	
05/01/2017	2017	492662	A	ap	0	
05/31/2017	2017	492662	A	ap	0	
06/30/2017	2017	493360	A	ap	0.900	
07/31/2017	2017	517969	A	ap	31.719	
10/31/2017	2017	567056	A	ap	63.270	
11/30/2017	2017	595283	A	ap	36.383	
12/30/2017	2017	598230	A	ap	3.798	
01/30/2018	2018	598230	A	ap	0	
02/28/2018	2018	598230	A	ap	0	
03/30/2018	2018	598230	A	ap	0	
04/30/2018	2018	610508	A	ap	15.826	
06/01/2018	2018	641788	A	ap	40.318	
06/29/2018	2018	660069	A	ap	23.563	
07/31/2018	2018	668871	A	ap	11.345	
08/30/2018	2018	688648	A	ap	25.491	
09/30/2018	2018	712380	A	ap	30.589	
11/30/2018	2018	731139	A	ap	24.179	
01/02/2019	2018	757603	A	RPT	3.411	
02/01/2019	2019	776930	A	RPT	2.491	
08/01/2019	2019	903749	A	RPT	16.346	
09/01/2019	2019	903749	A	RPT	0	
09/30/2019	2019	958449	A	RPT	7.050	
10/31/2019	2019	985224	A	RPT	3.451	
11/30/2019	2019	1009314	A	RPT	3.105	
12/31/2019	2019	1022428	A	RPT	1.690	
02/01/2020	2020	1038643	A	RPT	2.090	
03/01/2020	2020	1048548	A	RPT	1.277	
04/01/2020	2020	1067256	A	RPT	2.411	
05/01/2020	2020	1067256	A	RPT	0	
06/01/2020	2020	1067256	A	RPT	0	
08/01/2020	2020	1085897	A	RPT	2.403	
09/01/2020	2020	1091905	A	RPT	0.774	
10/01/2020	2020	1091905	A	RPT	0	
10/31/2020	2020	1102131	A	WEB	1.318	X
11/30/2020	2020	1126181	A	WEB	3.100	X
12/31/2020	2020	1158258	A	WEB	4.135	X

x

****YTD Meter Amounts: Year Amount**

2014	83.958
2015	221.740
2016	112.889
2017	138.757
2018	174.722
2019	34.133
2020	17.508

x

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	Twn	Rng	X	Y
	CP 01067 POD1	1	3	4	28	21S	34E	643447	3591434

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

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

Drill Start Date: 05/20/2012 **Drill Finish Date:** 05/22/2012 **Plug Date:**

Log File Date: 05/30/2012 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 30 GPM

Casing Size: 6.63 **Depth Well:** 210 feet **Depth Water:** 140 feet

Water Bearing Stratifications:	Top	Bottom	Description
	140	172	Sandstone/Gravel/Conglomerate

Meter Number: 15615 **Meter Make:** MASTER

Meter Serial Number: 1802941 **Meter Multiplier:** 100.0000

Number of Dials: 8 **Meter Type:** Diversion

Unit of Measure: Gallons **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
12/28/2012	2012	552330	A	ym		0	
10/31/2019	2019	552330	A	RPT	NOT USED	0	

**YTD Meter Amounts:	Year	Amount
	2012	0
	2019	0

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	Twn	Rng	X	Y
	CP 01069 POD1	2	1	4	28	21S	34E	643737	3591191

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

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

Drill Start Date:	03/13/2012	**Drill Finish Date:**	03/14/2012	**Plug Date:**	
Log File Date:	03/22/2012	**PCW Rcv Date:**	07/10/2017	**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**	3	**Estimated Yield:**	40 GPM
Casing Size:	6.21	**Depth Well:**	210 feet	**Depth Water:**	140 feet

Water Bearing Stratifications:	Top	Bottom	Description
	140	172	Shallow Alluvium/Basin Fill

Meter Number:	15548	**Meter Make:**	BLANCETT
Meter Serial Number:	040 711 502	**Meter Multiplier:**	10.0000
Number of Dials:	9	**Meter Type:**	Diversion
Unit of Measure:	Barrels 42 gal.	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
03/28/2013	2013	0	A	RPT	Initial reading	0	
03/28/2013	2013	842600	A	RPT	No ending reading provided	2.586	
05/12/2013	2013	1742720	A	RPT	No ending date provided	2.762	
05/17/2013	2013	1102330	A	RPT	Not date for initial reading	0	
05/17/2013	2013	1928670	A	RPT	Final Reading	2.536	
07/01/2014	2014	0	C	RPT	Meter Reading Correction	-248.593	
10/01/2014	2014	0	A	RPT		0	
01/01/2015	2014	0	A	RPT		0	
04/01/2015	2015	529903	A	AP		68.301	
07/01/2015	2015	639766	A	ap		141.606	
10/01/2015	2015	663386	A	ap		30.445	
10/31/2015	2015	663386	A	ap		0	
11/30/2015	2015	663386	A	ap		0	
03/17/2016	2016	663386	A	ap		0	
03/17/2016	2016	0	A	ap	batteryreplacedresetmeterzero	0	
03/31/2016	2016	20160	A	ap		25.985	
04/30/2016	2016	20160	A	ap		0	
06/01/2016	2016	84030	A	ap		82.324	
06/30/2016	2016	116449	A	ap		41.786	
07/27/2016	2016	154786	A	ap		49.414	
09/01/2016	2016	182026	A	ap		35.111	
10/01/2016	2016	202637	A	ap		26.566	

10/31/2016	2016	202637	A	ap	0
11/29/2016	2016	226853	A	ap	31.213
12/31/2016	2016	228029	A	ap	1.516
02/01/2017	2017	230071	A	ap	2.632
03/01/2017	2017	230071	A	ap	0
04/01/2017	2017	230071	A	ap	0
05/01/2017	2017	230071	A	ap	0
05/31/2017	2017	230071	A	ap	0
06/30/2017	2017	232477	A	ap	3.101
07/31/2017	2017	285471	A	ap	68.306
10/31/2017	2017	376519	A	ap	117.355
11/30/2017	2017	422524	A	ap	59.297
12/30/2017	2017	456841	A	ap	44.232
01/30/2018	2018	490850	A	ap	43.835
02/28/2018	2018	514178	A	ap	30.068
03/30/2018	2018	514178	A	ap	0
04/30/2018	2018	548737	A	ap	44.544
06/01/2018	2018	597358	A	ap	62.669
06/29/2018	2018	625767	A	ap	36.617
07/31/2018	2018	641059	A	ap	19.710
08/30/2018	2018	688988	A	ap	61.777
09/30/2018	2018	711879	A	ap	29.505
11/30/2018	2018	751612	A	ap	51.213
03/01/2019	2019	872166	A	ap	155.386
04/01/2019	2019	899476	A	ap	35.201
05/01/2019	2019	942399	A	ap	55.325
05/31/2019	2019	967491	A	ap	32.342
06/30/2019	2019	987328	A	ap	25.569
10/31/2019	2019	1118349	A	ap	168.877

**YTD Meter Amounts:	Year	Amount
	2013	7.884
	2014	-248.593
	2015	240.352
	2016	293.915
	2017	294.923
	2018	379.938
	2019	472.700

Meter Number:	18704	**Meter Make:**	BLANCETT
Meter Serial Number:	040711502	**Meter Multiplier:**	1.0000
Number of Dials:	9	**Meter Type:**	Diversion
Unit of Measure:	Barrels 42 gal.	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
01/02/2019	2018	795282	A	RPT		0	
02/01/2019	2019	823150	A	RPT		3.592	
08/01/2019	2019	1026416	A	RPT		26.200	

09/01/2019	2019	1026416	A	RPT	0	
09/30/2019	2019	1097360	A	RPT	9.144	
10/31/2019	2019	1118349	A	RPT	2.705	
11/30/2019	2019	1118384	A	RPT	0.005	
12/31/2019	2019	1129601	A	RPT	1.446	
02/01/2020	2020	1146148	A	RPT	2.133	
03/01/2020	2020	1167232	A	RPT	2.718	
04/01/2020	2020	1175693	A	RPT	1.091	
05/01/2020	2020	1175693	A	RPT	0	
06/01/2020	2020	1175693	A	RPT	0	
08/01/2020	2020	1205598	A	RPT	3.855	
09/01/2020	2020	1213942	A	RPT	1.075	
10/01/2020	2020	1213942	A	RPT	0	
10/31/2020	2020	1226372	A	WEB	1.602	X
11/30/2020	2020	1265040	A	WEB	4.984	X
12/31/2020	2020	1281533	A	WEB	2.126	X

x

**YTD Meter Amounts:	Year	Amount
	2018	0
	2019	43.092
	2020	19.584

x

BROWN STATE #1.

SW of the SW of Section 22, Township 21 S., Range 34 E., Lea County, New Mexico. Elevation 3729, Started June 12, 1937, completed August 18, 1937.

CONTRACTORS.

Stampfly and Walker

CASING RECORD.

197' of	15½"	90#	Casing.
494' 7"	12"	50	"
1014'	10"	40	"
1773'	8"	32	"

DRILLER'S LOG.

From	To	Formation	Remarks
0	10	Caliche	
10	170	Sand	3 BPH @ 165
170	210	Red Rock	
210	230	Red Shale	
230	240	Gray Sandy Shale	
240	270	Sand	
270	275	Red Sandy Shale	3 BPH (Fresh)
275	795	Red Rock	
795	800	Brown Shale	
800	805	Hard Sand	3 BPH (Fresh)
805	845	Sandy Red Rock	
845	870	Red & Blue Shale	
870	905	Red Sandy Shale	
905	925	Water Sand	5 BPH (Fresh)
925	975	Red Rock	
975	995	Gray Sand	
995	1005	Red Rock	
1005	1010	Sand	
1010	1011	Lime	
1011	1014	Sandy Lime	
1014	1020	Lime Shells	
1020	1030	Red Rock	HFW (Salty)
1030	1075	White Sand	
1075	1085	Brown Lime	
1085	1095	Hard Sand	
1095	1100	Blue Shale	
1100	1110	Red Rock	
1110	1135	Sand & Blue Shale	
1135	1150	Sand	
1150	1165	Sandy Shale	
1165	1230	Red Sandy Shale	
1230	1450	Red Rock	
1450	1465	Hard Red Sand	
1465	1490	Red Rock	
1490	1620	Sandy Red Rock	
1620	1765	Red Rock	
1765	1780	Anhydrite	
1780	1785	Anhydrite & Salt	
1785	1845	Anhydrite	

DRO#W STATE #1.

SW of the ¼ of Section 22, Township [illegible] S., Range [illegible] E.,
Lea County, New Mexico. Elevation [illegible], Started June [illegible],
1957, completed August 12, 1957.

CONTRACTORS.

Stamplfy and Walker

CASING RECORD.

[illegible]	of 15½"	80#	Casing.
4994'm	12"	50	"
1014'	10"	40	"
1772'	8"	32	"

DRILLER'S LOG.

From	To	Formation	Remarks
0	10	Caliche	
10	170	Sand	[illegible] BPH & 15 [illegible]
170	810	Red Rock	
810	850	Red Shale	
850	940	Gray Sandy Shale	
940	270	Sand	
270	275	Red Sandy Shale	4 BPH (Fresh)
275	798	Red Rock	
798	800	Brown Shale	
800	805	Hard Sand	3 BPH (Fresh)
805	845	Sandy Red Rock	
845	870	Red & blue Shale	
870	905	Red Sandy Shale	
905	925	Water Sand	4 BPH (Fresh)
925	975	Red Rock	
975	985	Gray Sand	
985	1005	Red Rock	
1005	1010	Sand	
1010	1011	Lime	
1011	1014	Sandy Lime	
1014	1020	Lime Shells	
1020	1030	Red Rock	4BPH (Salty)
1030	1075	White Sand	
1075	1085	Brown Lime	
1085	1095	Hard Sand	
1095	[illegible]	Blue Shale	
1100	1110	Red Rock	
1110	1135	Sand & Blue Shale	
1135	1150	Sand	
1150	1165	Sandy Shale	
1165	1230	Red Sandy Shale	
1230	1450	Red Rock	
1450	1465	Hard Red Sand	
1465	1490	Red Rock	
1490	1580	Sandy Red Rock	
1580	1780	Red Rock	
1780	1785	Anhydrite	
1785	1788	Anhydrite & Salt	
1788	1845	Anhydrite	

Form C-101 NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Artesia, N.M. (Place) August 22, 1949 (Date)

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

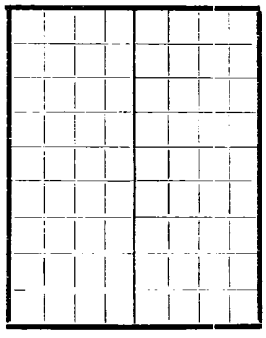
Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

Wilson Oil Company (Company or Operator) State B 9611 (Lease) Well No. 35 in NE NE

of Sec. 27, T. 21, R. 34, N. M., P. M., Wilson Field, Lea County.

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is 660 feet (N.) (S.) of the North line and 660 feet (E.) (W.) of the East line of Section 27-21-34

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. B-9611 Assignment No.

If patented land the owner is

Address

If government land the permittee is

Address

The lessee is Wilson Oil Company

Address P.O.Box 627 Santa Fe, New Mexico

We propose to drill well with drilling equipment as follows: Cable tools to total depth

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: $ 10,000 Blanket bond in full force and effect

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
22	16	70	New	200	Cemented	150
15	13	48	S.H.	650	Landed	
12	10	38	S.H.	1250	Landed	
10	7	20	New	3650	Cemented	350

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3750 feet.

Additional information:

Approved ____, 1949, except as follows: Cement must Return to top of salt section on 7" casing

OIL CONSERVATION COMMISSION,

By Roy Yarbrough

Title

Sincerely yours,

Wilson Oil Company (Company or Operator)

By Raymond Lamt

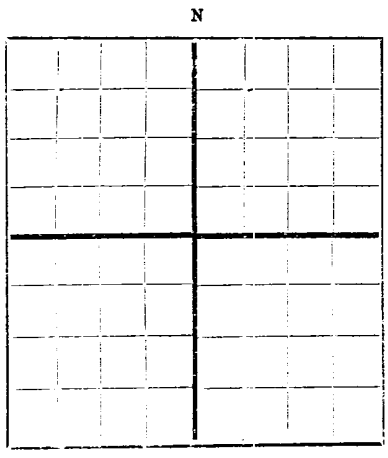
Position Petroleum Engineer

Send communications regarding well to

Name Wilson Oil Company

Address P.O.Box 627 Santa Fe, New Mexico

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

WILSON OIL COMPANY, SANTA FE, NEW MEXICO
Company or Operator — Address

State B-9611 Well No. 35 in NE NE of Sec. 27, T. 21
Lease

R. 34, N. M. P. M., Wilson Field, Lea County.

Well is 660 feet south of the North line and 660 feet west of the East line of Section 27.

If State land the oil and gas lease is No. B-9611 Assignment No.

If patented land the owner is, Address

If Government land the permittee is, Address

The Lessee is, Address

Drilling commenced September 7 1949. Drilling was completed October 22 1949

Name of drilling contractor company tools, Address

Elevation above sea level at top of casing 3685 feet.

The information given is to be kept confidential until ——— 19

OIL SANDS OR ZONES

No. 1, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 135 to 145 feet.

No. 2, from 760 to 770 feet.

No. 3, from 930 to 940 feet.

No. 4, from 4098 to 4100 feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
16"	70	8 rd	New	195	Larkin				Surface
13"	48	8 rd	SH	717	"				Water shut-off
10"	38	8 rd	SH	1233	"				" "

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
22"	16"	205	150	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters — Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet

Cable tools were used from 0 feet to 4100 feet, and from feet to feet

PRODUCTION

Put to producing, 19

The production of the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, Be

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in

EMPLOYEES

W. R. High, Driller John Whaley, Driller

G. C. Parrish, Driller , Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 4th day of November, 1949

Notary Public

My Commission expires August 28, ~~1949~~ 1953

Artesia, New Mexico (Place) 11/4/49 (Date)

Name

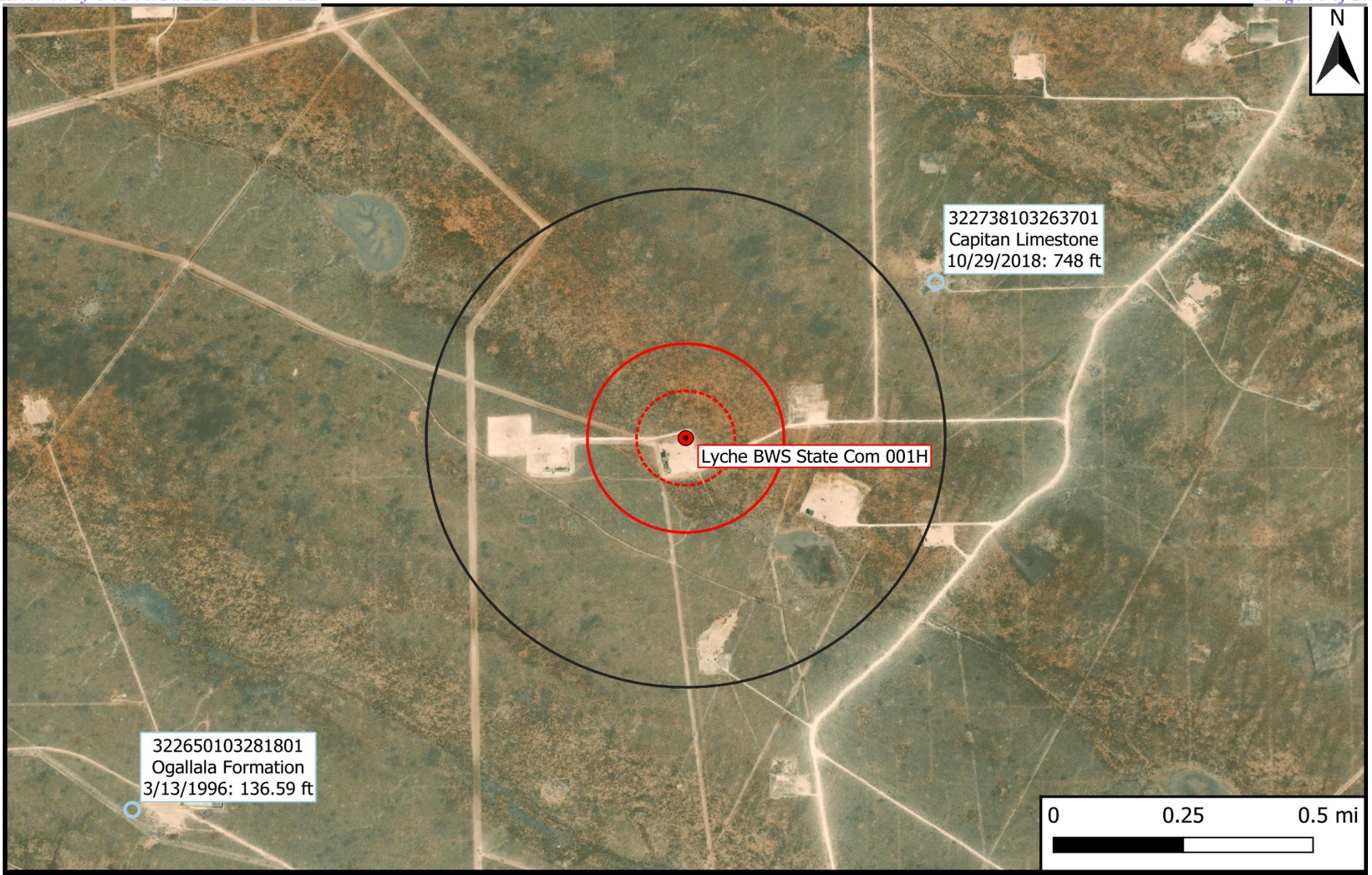
Position Petroleum Engineer

Representing Wilson Oil Company (Company or Operator)

Address Santa Fe, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	135	135	Sand
135	145	10	Gravel
145	175	30	Yellow mud
175	185	10	Sand
185	190	5	Blue Mud
190	330	140	Red Rock
330	345	15	Blue Shale
345	588	243	Red Rock
588	760	172	Sandy Shale
760	780	20	Sand
780	900	120	Red-Grey Shale
900	1040	140	Grey Sand
1040	1130	90	Sandy Shale
1130	1675	545	Red Rock and Sandy Shale
1675	1820	145	Anhydrite
1820	1985	165	Anhydrite and Salt
1985	2020	35	Salt
2020	2040	20	Anhydrite
2040	2265	225	Salt and Red Beds
2265	2415	150	Salt and Anhydrite
2415	3030	615	Salt and Potash
3030	3088	58	Anhydrite and Salt
3088	3164	76	Salt
3164	3169	5	Anhydrite
3169	3269	100	Salt
3269	3300	31	Anhydrite
3300	3502	198	Salt
3502	3530	28	Anhydrite
3530	3750	220	Grey and Brown Lime
3750	3785	35	Sandy Lime
3785	3801	16	Grey Lime and Blue Shale
3801	3808	7	Pink Lime
3808	3825	17	Red Sand and Pink Lime
3825	3839	14	Pink Lime
3839	3878	39	Red and Grey Sand
3878	3912	34	White Lime
3912	3918	6	Pink Lime
3918	3949	31	Red Sand
3949	3975	26	White Lime
3975	4002	27	Red and Grey Sandy Lime
4002	4062	60	White and Grey Lime
4062	4080	18	Blue and White Sandy Lime
4080	4100	20	White Lime Water 4098-4100
4100	Total Depth		Plugged and Abandoned



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
Lyche BWS State Com 001H
GPS: 32.45822, -103.45538
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/18/22

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322650103281801

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

USGS 322650103281801 21S.34E.28.413232

Lea County, New Mexico
Latitude 32°26'51", Longitude 103°28'24" NAD27
Land-surface elevation 3,728.00 feet above NGVD29
The depth of the well is 170 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1981-09-16		D	72019	137.62			1	Z			A
1986-03-20		D	72019	137.04			1	Z			A
1991-04-19		D	72019	137.67			1	Z			A
1996-03-13		D	72019	136.59			1	S			A

Explanation

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

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322738103263701

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

USGS 322738103263701 21S.34E.23.31000

Lea County, New Mexico
Latitude 32°27'45.6", Longitude 103°26'49.4" NAD83
Land-surface elevation 3,715 feet above NAVD88
The depth of the well is 5,390 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Capitan Limestone (313CPTN) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1967-02-01		D	72019	1030.70			1	Z			A
1977-01-12		D	72019	1166.27			1	O	USGS	S	A
1978-01-01		D	72019	1157.64			1	O	USGS	S	A
2012-11-27	20:50 UTC	m	72019	804.26			1	T	USGS	S	A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
2013-06-24	18:30 UTC	m	72019	798.30			1	T	USGS	S	A
2013-09-09	17:40 UTC	m	72019	795.63			1	T	USGS	S	A
2013-12-02	18:50 UTC	m	72019	794.47			1	T	USGS	S	A
2014-03-17	17:15 UTC	m	72019	793.54			1	T	USGS	S	A
2014-06-30	17:45 UTC	m	72019	788.44			1	T	USGS	S	A
2014-09-29	18:00 UTC	m	72019	789.06			1	T	USGS	S	A
2014-12-01	18:05 UTC	m	72019	787.57			1	T	USGS	S	A
2015-03-26	17:20 UTC	m	72019	785.16			1	T	USGS	S	A
2015-05-18	17:45 UTC	m	72019	783.57			1	T	USGS	S	A
2015-09-28	17:30 UTC	m	72019	777.91			1	T	USGS	S	A
2015-12-01	18:25 UTC	m	72019	776.12			1	T	USGS	S	A
2016-03-21	18:15 UTC	m	72019	774.03			1	T	USGS	S	A
2016-06-26	18:10 UTC	m	72019	775.92			1	T	USGS	S	A
2016-09-21	17:50 UTC	m	72019	774.99			1	T	USGS	S	A
2016-12-12	17:55 UTC	m	72019	771.42			1	V	USBLM	A	A
2017-03-09	17:30 UTC	m	72019	768.18			1	V	USBLM	A	A
2017-06-12	16:35 UTC	m	72019	763.54			1	V	USBLM	A	A
2017-10-19	23:20 UTC	m	72019	757.66			1	V	USBLM	A	A
2017-12-14	22:15 UTC	m	72019	756.22			1	V	USBLM	A	A
2018-06-25	15:03 UTC	m	72019	750.88			1	V	USBLM	A	A
2018-10-29	22:00 UTC	m	72019	748.00			1	V	USBLM	A	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.

Section	Code	Description
Method of measurement	T	Electric-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USBLM	U.S. Bureau of Land Management
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	A	Reported by another government agency (do not use "A" if reported by owner, use "O").
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Appendix B
Field Data

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 11/16/21

Project: Lychee BWS State Com 1H Battery

Project Number: 15211 Latitude: 32.4576 Longitude: -103.4561

Sample ID	PID/Odor	Chloride Conc.	GPS
NH @surface	–	>116	
NH @1'	–	>116	
EH @surface	–	228	
EH @1'	–	>116	
SH @surface	–	372	
SH @1'	–	228	
WH @surface	–	372	
WH @1'	–	>116	
SP1 @surface	light	–	
SP1 @1'	–	228	
SP2 @surface	light	–	
SP2 @1'-R	light	260	
SP3 @surface	light	–	
SP3 @1'	–	372	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Project: Lychee BWS State Com 1H Battery

Date: 2 16 22

Project Number: 15211

Latitude: 32.4576

Longitude: -103.4561

Sample ID	PID/Odor	Chloride Conc.	GPS
F1 @ 0	None	304	
F2 @ 0	None	344	
F3 @ 0	None	304	
F8 @ 0	None	384	
F9 @ 0	None	424	
F10 @ 0	None	516	
ESW 2	None	236	
ESW 3	None	304	
ESW 1	None	516	
WSW 1	None	384	
NSW 1	None	268	
F4 @ 0	None	344	
F5 @ 0	None	468	
F6 @ 0	None	424	
F7 @ 0	None	236	
F11 @ 0	None	172	
F12 @ 0	None	304	
F13 @ 0	None	344	
F14 @ 0	None	144	
F16 @ 0	None	344	
F15 @ 0	None	304	
F17 @ 0	None	344	
WW 2	None	344	
WW 3	None	384	
SSW 1	None	424	
SW2	None	204	
F18 @ 1 ½	None	384	
F19 @ 1 ½	None	344	
F20 @ 1 ½	None	344	
F21 @ 1 ½	None	236	
F22 @ 1 ½	None	204	
F23 @ 1 ½	None	344	
F24 @ 1 ½	None	384	
F25 @ 1 ½	None	344	
F26 @ 1 ½	None	236	
F27 @ 1 ½	None	304	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Project: Lychee Bws state com 1H Battery Date: 2 21 22

Project Number: 15211 Latitude: 32.4576 Longitude: -103.4561

Sample ID	PID/Odor	Chloride Conc.	GPS
F 29 @ 1	None	204	
F 29 @ 1 ½	None	204	
F 30 @ 1 ½	None	304	
F 31 @ 1 ½	None	172	
F 32 @ 1 ½	None	236	
F 33 @ 1 ½	None	424	
F 34 @ 1 ½	None	236	
F 35 @ 1 ½	None	236	
F 36 @ 1 ½	None	236	
F 37 @ 1 ½	None	172	
F1 @ 1 ½	None	204	
F2 @ 1 ½	None	236	
F3 @ 1 ½	None	204	
F8 @ 1 ½	None	236	
Def 1	None	424	
F7 @ 1	None	120	
F12 @ 1	None	304	
F14 @ 1	None	172	
F 16 @ 1	None	424	
F 17 @ 3	None	424	
F 18 @ 3	None	424	
F 20 @ 3	None	384	
F 21 @ 3	None	384	
F 22 @ 3	None	344	
F 23 @ 3	None	384	
F 24 @ 3	None	516	
F 25 @ 3	None	568	
F 26 @ 3	None	384	
F 27 @ 3	None	516	
F 29 @ 3	None	424	
SW1B	None	304	
F30 @ 3	None	238	
F34 @ 3	None	384	
F35 @ 3	None	424	
F36 @ 3	None	344	
F37 @ 3	None	204	

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
Photographic Log

Photographic Log

Photo Number: 1	
Date: 11/16/2021	
Photo Direction: North	
Coordinates: 32.458078,-103.455422	
Photo Description:	
View of the affected area.	

Photo Number: 2	
Date: 11/16/2021	
Photo Direction: Southeast	
Coordinates: 32.458344,-103.455519	
Photo Description:	
View of the affected area.	

Photographic Log

Photo Number: 3 **Date:** 2/28/2022 **Photo Direction:** West-Northwest **Coordinates:** 32.458190,-103.455503 **Photo Description:** View of the excavated area.	

Photo Number: 4 **Date:** 2/28/2022 **Photo Direction:** West **Coordinates:** 32.458190,-103.455503 **Photo Description:** View of the excavated area.	

Photographic Log

Photo Number: 5	
Date: 2/25/2022	
Photo Direction: West-Northwest	
Coordinates: 32.458251,-103.455326	
Photo Description:	
View of the excavated area.	

Photo Number: 6	
Date: 2/25/2022	
Photo Direction: East	
Coordinates: 32.458303,-103.455543	
Photo Description:	
View of the excavated area.	

Photographic Log

Photo Number: 7	
Date: 3/4/2022	
Photo Direction: West-Northwest	
Coordinates: 32.458099,-103.455393	
Photo Description:	
View of the remediated area after backfilling and regrading.	

Photo Number: 8	
Date: 3/4/2022	
Photo Direction: South	
Coordinates: 32.458190,-103.455420	
Photo Description:	
View of the remediated area after backfilling and regrading.	

Photographic Log

Photo Number: 9	
Date: 3/4/2022	
Photo Direction: Southwest	
Coordinates: 32.458270,-103.455283	
Photo Description:	
View of the remediated area after backfilling and regrading.	

Photo Number: 10	
Date: 3/4/2022	
Photo Direction: North	
Coordinates: 32.458248,-103.455474	
Photo Description:	
View of the remediated area after backfilling and regrading.	

Appendix D
Laboratory Analytical Reports

CARDINAL Laboratories

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

November 19, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/16/21 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: NH @ SURFACE (H213278-01)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	**17.0**	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *78.6 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: NH @ 1' (H213278-02)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *82.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *80.7 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: EH @ SURFACE (H213278-03)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *69.9-140*

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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *90.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *86.9 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: EH @ 1' (H213278-04)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *84.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *83.1 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SH @ SURFACE (H213278-05)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *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	**320**	16.0	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *86.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *84.8 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SH @ 1' (H213278-06)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *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	**64.0**	16.0	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *82.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: WH @ SURFACE (H213278-07)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *86.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *85.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: WH @ 1' (H213278-08)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *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	**80.0**	16.0	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	<10.0	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *91.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *91.2 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 1 @ SURFACE (H213278-09)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.4 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	**183**	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	**83.3**	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *90.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *96.9 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 1 @ 1' (H213278-10)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	**52.7**	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	**28.9**	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *81.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.2 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 2 @ SURFACE (H213278-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.593**	0.200	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	**17.3**	0.200	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	**17.2**	0.200	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	**40.8**	0.600	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	**75.9**	1.20	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**674**	50.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	**16100**	50.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	**6080**	50.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *131 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *369 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 2 @ 1' - R (H213278-12)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	**0.063**	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	**0.115**	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	**0.351**	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	**0.529**	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**15.6**	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	**437**	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	**257**	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *83.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *91.4 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 3 @ SURFACE (H213278-13)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	**1080**	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	**386**	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *89.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *95.7 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	11/16/2021	Sampling Date:	11/16/2021
Reported:	11/19/2021	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SP 3 @ 1' (H213278-14)

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	11/18/2021	ND	2.17	109	2.00	5.81	
Toluene*	<0.050	0.050	11/18/2021	ND	2.08	104	2.00	5.44	
Ethylbenzene*	<0.050	0.050	11/18/2021	ND	2.06	103	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/18/2021	ND	6.23	104	6.00	6.46	
Total BTEX	<0.300	0.300	11/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *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	11/18/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2021	ND	201	100	200	2.74	
DRO >C10-C28*	**46.9**	10.0	11/19/2021	ND	215	107	200	1.95	
EXT DRO >C28-C36	**15.8**	10.0	11/19/2021	ND					

Surrogate: 1-Chlorooctane *80.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.0 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental	**BILL TO**	
Project Manager:	Joel lowry	P.O. #:	
Address:	247 Marland	Company:	COG
City:	Hobbs	State: NM Zip: 88240	Attn:
Phone #:	575-264-2884	Fax #:	Address:
Project #:	15211	Project Owner: COG	City:
Project Name:	Lychee BWS State Com 1H Battery		State: Zip:
Project Location:	Rural Lea Co, NM		Phone #:
Sampler Name:	Miguel Ramirez		Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	BTEX	TPH									
H213278																									
1	NH @ surface	G	1			X					X		11/16/21		X	X	X								
2	NH @ 1'																								
3	EH @ surface																								
4	EH @ 1'																								
5	SH @ surface																								
6	SH @ 1'																								
7	WH @ surface																								
8	WH @ 1'																								
9	SP1 @ surface																								
10	SP1 @ 1'																								

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

Relinquished By:	Date: 11-16-21 Time: 1630	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address:
			REMARKS: pm@etechenv.com

Delivered By: (Circle One)	Observed Temp. °C 5.5	Sample Condition Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐	Bacteria (only) Sample Condition Cool ☐ Yes Intact ☐ Yes Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.0	☐ No ☐ No		Thermometer ID #113 Correction Factor -0.5°C	☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	ETech Environmental	**BILL TO**	
Project Manager:	Joel Lowry	P.O. #:	
Address:	2617 Marland	Company:	COG
City:	Hobbs	State: NM Zip: 88240	Attn:
Phone #:	575-964-2884	Fax #:	Address:
Project #:	15211	Project Owner:	COG
Project Name:	Lychee Bass State com 1H Battery		City:
Project Location:	Rural Lea Co, NM		State: Zip:
Sampler Name:	Miguel Ramirez		Phone #:
			Fax #:

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
H213278																											
11	SP2 @ surface	G	1			X					X		11/4/21		X	X	X										
12	SP2 @ 1'-R	↓	↓			↓					↓		↓		↓	↓	↓										
13	SP3 @ surface																										
14	SP3 @ 1'																										

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

Relinquished By:	Date: 11-16-21 Time: 1636	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address:
			REMARKS: pm@etechenv.com
Delivered By: (Circle One)	Observed Temp. °C 5.5	Sample Condition Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 5.0	☐ No ☐ No	TO

Turnaround Time: Standard ☑ Rush ☐ Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

Thermometer ID #113
Correction Factor -0.5°C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

February 21, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/17/22 16:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/17/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: OS 1 (H220629-01)

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	02/20/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/20/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/20/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/20/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/20/2022	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/19/2022	ND	400	100	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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	<10.0	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *88.0 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *96.1 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/17/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: OS 2 (H220629-02)

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	02/20/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/20/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/20/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/20/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/20/2022	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/19/2022	ND	400	100	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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	<10.0	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *81.5 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *88.5 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/17/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 1 (H220629-03)

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	02/21/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/21/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/21/2022	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/19/2022	ND	400	100	400	0.00	

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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	**1810**	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	**571**	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *81.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *203 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/17/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 2 (H220629-04)

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	02/21/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/21/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/21/2022	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/19/2022	ND	400	100	400	0.00	

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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	**4360**	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	**1030**	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *82.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *385 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/17/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 3 (H220629-05)

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	02/21/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/21/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/21/2022	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/19/2022	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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	**419**	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	**183**	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *84.4 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *110 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Kathy Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner: COG
Project Name: Lychee BWS St. Com 1H Btry
Project Location: Rural Lea
Sampler Name: Dominic Casaretz

BILL TO
P.O. #:
Company COG
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220629																	
1	OS1	C	1			✓					✓		2/17/22		X	X	X
2	OS2	C	1			✓					✓						
3	F1	C	1			✓					✓						
4	F2	C	1			✓					✓						
5	F3	C	1			✓					✓						

KM 2/17/22

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

Relinquished By: Date: 2/17/22 Time: Received By:
Relinquished By: Date: 2-17-22 Time: 1605 Received By: Tamara Oldaker
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
-1.8 C) C-0.5 C -2.3 C #113
Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials) TO

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Rush added 2/18/22 @1535

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

February 21, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/18/22 15:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/18/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 8 (H220650-01)

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	02/21/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/21/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/21/2022	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	**80.0**	16.0	02/21/2022	ND	400	100	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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	**76.7**	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	**25.0**	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *77.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *84.6 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/18/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 9 (H220650-02)

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	02/21/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/21/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/21/2022	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	**80.0**	16.0	02/21/2022	ND	400	100	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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	**34.9**	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	**10.5**	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *87.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *94.0 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/18/2022	Sampling Date:	02/17/2022
Reported:	02/21/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 10 (H220650-03)

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	02/21/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/21/2022	ND	2.06	103	2.00	3.52	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	1.99	99.4	2.00	2.65	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	6.12	102	6.00	2.63	
Total BTEX	<0.300	0.300	02/21/2022	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	**176**	16.0	02/21/2022	ND	400	100	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	02/19/2022	ND	233	117	200	3.12	
DRO >C10-C28*	<10.0	10.0	02/19/2022	ND	229	115	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	02/19/2022	ND					

Surrogate: 1-Chlorooctane *86.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *87.7 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.		
Project Manager:	Kathy Purvis		
Address:	2617 West Marland		
City:	Hobbs	State: NM	Zip: 88240
Phone #:	(575) 264-9884	Fax #:	
Project #:	15211	Project Owner:	COG
Project Name:	Lychee BWS St Com 1 H Btry		
Project Location:	Rural Lea		
Sampler Name:	Dominic Casarez		

BILL TO

P.O. #:	
Company	COG
Attn:	Jacqui Harris
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220650																	
1	F8	C	1			✓					✓		2/17/22		X	X	X
2	F9	C	1			✓					✓		2/17/22		X	X	X
3	F10	C	1			✓					✓		2/17/22		X	X	X

KAD 2/18/22

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

Relinquished By:	Date: 2/17/22 Time: 5:00pm	Received By:	
Relinquished By:	Date: 2-18-22 Time: 1535	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-3.4°C / C-0.5° / -3.9°C #13	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)

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

Rush!

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

February 22, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/21/22 9:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 4 (H220653-01)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**80.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *87.0 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *88.5 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 5 (H220653-02)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	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	**96.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *89.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *89.7 %* *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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 6 (H220653-03)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**144**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**18.7**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *87.9 %* *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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 7 (H220653-04)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	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	**80.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**103**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	**37.7**	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *84.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *92.7 %* *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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 11 (H220653-05)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**80.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**46.1**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *99.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *102 %* *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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 12 (H220653-06)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	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	**48.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**869**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	**291**	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *93.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *103 %* *59.5-142*

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Analytical Results For:

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JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 13 (H220653-07)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**23.2**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *91.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *94.1 %* *59.5-142*

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CARDINAL Laboratories

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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 14 (H220653-08)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**108**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	**31.1**	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *96.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *103 %* *59.5-142*

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CARDINAL Laboratories

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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 15 (H220653-09)

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	02/21/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/21/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/21/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/21/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/21/2022	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	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *92.6 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *92.7 %* *59.5-142*

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CARDINAL Laboratories

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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 16 (H220653-10)

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	02/22/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**96.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**221**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	**59.3**	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *88.0 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *98.4 %* *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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 17 (H220653-11)

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	02/22/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *90.6 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *91.7 %* *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:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: ESW 1 (H220653-12)

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	02/22/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**96.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *87.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *87.6 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: ESW 2 (H220653-13)

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	02/22/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/22/2022	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	**32.0**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *95.6 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *95.1 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: ESW 3 (H220653-14)

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	02/22/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *94.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *94.7 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: WSW 1 (H220653-15)

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	02/22/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/22/2022	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	**160**	16.0	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	**57.2**	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	**20.4**	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *85.3 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *89.3 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/21/2022	Sampling Date:	02/18/2022
Reported:	02/22/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: NSW 1 (H220653-16)

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	02/22/2022	ND	2.30	115	2.00	4.73	
Toluene*	<0.050	0.050	02/22/2022	ND	2.27	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.28	114	2.00	4.81	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	7.00	117	6.00	4.67	
Total BTEX	<0.300	0.300	02/22/2022	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	02/21/2022	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	02/21/2022	ND	217	109	200	4.66	
DRO >C10-C28*	<10.0	10.0	02/21/2022	ND	225	112	200	9.02	
EXT DRO >C28-C36	<10.0	10.0	02/21/2022	ND					

Surrogate: 1-Chlorooctane *98.5 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *99.1 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner: COG
Project Name: Lychee BWS St Com 1H Btry
Project Location: Rural Lea
Sampler Name: Dominic Casarez

BILL TO
P.O. #:
Company COG
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220653																	
1	F4	C	1			✓					✓		2/18/22		X	X	X
2	F5																
3	F6																
4	F7																
5	F11																
6	F12																
7	F13																
8	F14																
9	F15																
10	F16																

Relinquished By: Dom Ca Date: 2/18/22 Time: 5:00pm Received By:
Relinquished By: Date: 2-21-22 Time: 0950 Received By: Tamara Oldaker
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
-5.1° C -0.5° C
-5.6° C #113

Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials) JD

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

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K. Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner: COG
Project Name: Lychee BUS Station 1H Btry
Project Location: Rural Lea
Sampler Name: Dominic Casarez

BILL TO
P.O. #:
Company COG
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220653-11	FS1	C	1			✓					✓		2/18/22		X	X	X
12	ESW1																
13	ESW2																
14	ESW3																
15	WSW1																
16	NSW1																

IGP 2/21/22

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

Relinquished By: Date: 2/18/22 Time: 5:30p Received By:
Relinquished By: Date: 2-21-22 Time: 0950 Received By: Tamara Oldaker
Delivered By: (Circle One) -5.1° C-0.5° Sample Condition: Cool: Yes / No; Intact: Yes / No
Sampler - UPS - Bus - Other: -5.6° #113 CHECKED BY: (Initials) TO

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

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

February 23, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/22/22 8:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 18 (H220673-01)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	02/22/2022	ND	432	108	400	0.00	

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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**796**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**209**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *82.4 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *152 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 19 (H220673-02)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	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	**32.0**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**149**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**41.4**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *82.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *102 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 20 (H220673-03)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	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	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**472**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**161**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *83.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *139 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 21 (H220673-04)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**160**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**220**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**86.1**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *88.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *112 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 22 (H220673-05)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**208**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**627**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**152**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *76.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *102 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 23 (H220673-06)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**96.0**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**930**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**264**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *86.3 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *128 %* *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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 24 (H220673-07)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	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	**224**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**466**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**196**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *81.4 %* *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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 25 (H220673-08)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	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	**160**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**221**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**116**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *69.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *102 %* *59.5-142*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 26 (H220673-09)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	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	**64.0**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**1040**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**259**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *63.8 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *106 %* *59.5-142*

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CARDINAL Laboratories

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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 27 (H220673-10)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	**0.067**	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**80.0**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**501**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**271**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *73.5 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *140 %* *59.5-142*

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CARDINAL Laboratories

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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 28 (H220673-11)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**96.0**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *77.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *81.7 %* *59.5-142*

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CARDINAL Laboratories

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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 29 (H220673-12)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	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	**32.0**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**570**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**147**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *80.3 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *138 %* *59.5-142*

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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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 30 (H220673-13)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**727**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**266**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *67.8 %* *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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 31 (H220673-14)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	**0.073**	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**80.0**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**12.2**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *84.5 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *92.8 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 32 (H220673-15)

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	02/22/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/22/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/22/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/22/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**80.0**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *85.4 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *92.8 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 33 (H220673-16)

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	02/23/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/23/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/23/2022	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	**144**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**12.2**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *86.3 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *94.8 %* *59.5-142*

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CARDINAL Laboratories

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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 34 (H220673-17)

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	02/23/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/23/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/23/2022	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	**80.0**	16.0	02/22/2022	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	02/22/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**856**	10.0	02/22/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**237**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *80.4 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *122 %* *59.5-142*

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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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 35 (H220673-18)

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	02/23/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/23/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/23/2022	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	**64.0**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**87.5**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**80.9**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *76.4 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *90.5 %* *59.5-142*

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CARDINAL Laboratories

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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 36 (H220673-19)

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	02/23/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/23/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**144**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**601**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**168**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *77.9 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *137 %* *59.5-142*

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CARDINAL Laboratories

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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 37 (H220673-20)

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	02/23/2022	ND	2.20	110	2.00	0.232	
Toluene*	<0.050	0.050	02/23/2022	ND	2.16	108	2.00	0.696	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.18	109	2.00	0.622	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.70	112	6.00	1.08	
Total BTEX	<0.300	0.300	02/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**64.0**	16.0	02/22/2022	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	02/23/2022	ND	237	118	200	2.99	
DRO >C10-C28*	**487**	10.0	02/23/2022	ND	193	96.4	200	2.37	
EXT DRO >C28-C36	**131**	10.0	02/23/2022	ND					

Surrogate: 1-Chlorooctane *69.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *109 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SSW 1 (H220673-21)

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	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTEX	<0.300	0.300	02/23/2022	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	**128**	16.0	02/22/2022	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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	**91.2**	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	**14.1**	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *103 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *110 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SSW 2 (H220673-22)

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	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTEX	<0.300	0.300	02/23/2022	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	**64.0**	16.0	02/22/2022	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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	**13.8**	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *93.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *95.5 %* *59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: WSW 2 (H220673-23)

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	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTEX	<0.300	0.300	02/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**112**	16.0	02/22/2022	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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *87.3 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *89.3 %* *59.5-142*

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CARDINAL Laboratories

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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: WSW 3 (H220673-24)

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	02/23/2022	ND	2.29	114	2.00	5.99	
Toluene*	<0.050	0.050	02/23/2022	ND	2.27	114	2.00	6.95	
Ethylbenzene*	<0.050	0.050	02/23/2022	ND	2.25	113	2.00	5.97	
Total Xylenes*	<0.150	0.150	02/23/2022	ND	6.93	115	6.00	6.27	
Total BTEX	<0.300	0.300	02/23/2022	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	**80.0**	16.0	02/22/2022	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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane *85.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *86.8 %* *59.5-142*

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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:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 8 B (H220673-25)

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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane	*90.5 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*93.7 %*	*59.5-142*

Sample ID: F 1 B (H220673-26)

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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane	*95.1 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*97.5 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/21/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 2 B (H220673-27)

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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane	*97.3 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*99.4 %*	*59.5-142*

Sample ID: F 3 B (H220673-28)

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	02/22/2022	ND	207	104	200	8.58	
DRO >C10-C28*	<10.0	10.0	02/22/2022	ND	200	100	200	24.1	
EXT DRO >C28-C36	<10.0	10.0	02/22/2022	ND					

Surrogate: 1-Chlorooctane	*86.7 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*88.9 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	K. Purvis	P.O. #:	
Address:	2617 West Marland	Company	COG
City:	Hobbs	Attn:	Jacqui Harris
State:	NM	Address:	
Zip:	88240	City:	
Phone #:	(575) 264-9884	State:	Zip:
Fax #:		Phone #:	
Project #:	15211	Fax #:	
Project Owner:	COG		
Project Name:	Lychee BWS St. Com 1H Btry		
Project Location:	Rural Lea		
Sampler Name:	Dominic Casarez		

FOR LAB USE ONLY				MATRIX						PRESERV.		SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220673																	
1	F18	C	1			✓					✓		2/21/22		X	X	X
2	F19																
3	F20																
4	F21																
5	F22																
6	F23																
7	F24																
8	F25																
9	F26																
10	F27																

Relinquished By:	Date: 2/21/22 Time: 5:00pm	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:
Relinquished By:	Date: 2-22-22 Time: 0855	Received By:	Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Delivered By: (Circle One)	-5.2° C-0.5°	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS: Rush!
Sampler - UPS - Bus - Other:	-5.7° #113			Please email copy of COC and results to pm@etechenv.com.

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Revision 1.0

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CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K. Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner:
Project Name: Lychee Bws St. Com 1 H Btry
Project Location: Rural Lea
Sampler Name: Dominic Casarez

BILL TO
P.O. #:
Company COG
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H222673																	
11	F28	C	1			✓					✓		2/21/22		X	X	X
12	F29																
13	F30																
14	F31																
15	F32																
16	F33																
17	F34																
18	F35																
19	F36																
20	F37																

Relinquished By: Dominic Casarez Date: 2/21/22 Time: 5:00pm Received By:
Relinquished By: Date: 2-22-22 Time: 0855 Received By: Tamara Oldaker
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
-5.2° C 0.5° -5.7° C #113
Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials) T.O.

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

Please email copy of COC and results to pm@etechenv.com.

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	K. Purvis	P.O. #:	
Address:	2617 West Marland	Company	COG
City:	Hobbs	Attn:	Jacqui Harris
State:	NM	Address:	
Zip:	88240	City:	
Phone #:	(575) 264-9884	State:	Zip:
Fax #:		Phone #:	
Project #:	15211	Fax #:	
Project Owner:			
Project Name:	Lychee BWS St. Com. 1 H Btry		
Project Location:	Rural Lea		
Sampler Name:	Dominic Casarez		

FOR LAB USE ONLY	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
Lab I.D.																	
H220673																	
21	SSW1	C	1			✓					✓		2/21/22		X	X	X
22	SSW2																
23	WSW2																
24	WSW3																
25	FS B																
26	F1 B																
27	F2 B																
28	F3 B																

EXP 2/22/22

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

Relinquished By: Date: 2/21/22 Time: 5:00pm Received By:

Relinquished By: Date: 2-22-22 Time: 0855 Received By: Tamara Oldaker

Delivered By: (Circle One) -5.2 C-0.5c

Sampler - UPS - Bus - Other: -5.7c #113

Sample Condition: Cool Yes / No; Intact Yes / No

CHECKED BY: (Initials) TO

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Rush!

Please email copy of COC and results to pm@etechenv.com.

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Revision 1.0

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CARDINAL Laboratories

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

February 24, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/23/22 11:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/23/2022	Sampling Date:	02/22/2022
Reported:	02/24/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 7 B (H220696-01)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					

Surrogate: 1-Chlorooctane	*75.4 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*76.8 %*	*59.5-142*

Sample ID: F 12 B (H220696-02)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					

Surrogate: 1-Chlorooctane	*78.4 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*81.0 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/23/2022	Sampling Date:	02/22/2022
Reported:	02/24/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 14 B (H220696-03)

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	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					

Surrogate: 1-Chlorooctane	*75.7 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*77.0 %*	*59.5-142*

Sample ID: F 16 B (H220696-04)

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	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	**43.7**	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					

Surrogate: 1-Chlorooctane	*73.8 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*83.2 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K. Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner: COG
Project Name: Lychee BUS St Com 1H Battery
Project Location: Rural Lea
Sampler Name: Dominic Casarez

BILL TO
P.O. #:
Company: COG
Attn: Charles Beauchamp
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220696																	
1	F7B	C	1			✓					✓		2/22/22			X	
2	F12B																
3	F14B																
4	F16B																

KAP 2/22/22

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

Relinquished By: Dan Ca — Date: 2/22/22 Time: 5:00pm — Received By: KA
Relinquished By: KA — Date: 2-23-22 Time: 1115 — Received By: Tamara Oldaker
Delivered By: (Circle One) — -10.0° C -0.5° C — -10.5° C #113
Sampler - UPS - Bus - Other:
Sample Condition: Cool: ☑ Yes ☐ No — Intact: ☐ Yes ☐ No
CHECKED BY: (Initials) AO

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

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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CARDINAL Laboratories

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

February 25, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/24/22 11:37.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2022	Sampling Date:	02/23/2022
Reported:	02/25/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

Sample ID: DEF 1 (H220715-01)

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	02/24/2022	ND	2.10	105	2.00	1.72	
Toluene*	<0.050	0.050	02/24/2022	ND	2.07	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	02/24/2022	ND	2.07	103	2.00	1.37	
Total Xylenes*	<0.150	0.150	02/24/2022	ND	6.38	106	6.00	1.46	
Total BTEX	<0.300	0.300	02/24/2022	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/25/2022	ND	ND		400		

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	02/25/2022	ND	200	100	200	12.8	
DRO >C10-C28*	**341**	10.0	02/25/2022	ND	196	98.1	200	2.72	
EXT DRO >C28-C36	**68.2**	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane *94.5 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *115 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	K. Purvis	P.O. #:	
Address:	2617 West Marland	Company	COG
City:	Hobbs	Attn:	Jacqui Harris
State:	NM	Address:	
Zip:	88240	City:	
Phone #:	(575) 264-9884	State:	Zip:
Fax #:		Phone #:	
Project #:	15211	Fax #:	
Project Owner:	COG		
Project Name:	Lychee BWS St Com 1H Bty		
Project Location:	Rural Lea		
Sampler Name:	Dan Casarez		

FOR LAB USE ONLY				MATRIX					PRESERV.		SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220715																	
1	DEFI	C	1			✓					✓		2/22/22		X	X	X

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

Relinquished By:	Date: 2/23/22	Received By:		Phone Result:	☐ Yes ☐ No Add'l Phone #:
	Time: 5:00pm			Fax Result:	☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 2/24/22	Received By:	Jodi Henson	REMARKS:	Rush!
	Time: 11:37				
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)	Please email copy of COC and results to pm@etechenv.com.	
Sampler - UPS - Bus - Other:	-8.8°C C-0.5	Cool: ☑ Yes ☐ No	Intact: ☑ Yes ☐ No		

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

February 28, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/25/22 8:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 18 B (H220735-01)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	**22.7**	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*102 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*108 %*	*59.5-142*

Sample ID: F 19 B (H220735-02)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*99.9 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*105 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 20 B (H220735-03)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*103 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*108 %*	*59.5-142*

Sample ID: F 21 B (H220735-04)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*104 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*108 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 22 B (H220735-05)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*93.0 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*97.1 %*	*59.5-142*

Sample ID: F 23 B (H220735-06)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*99.0 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*103 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 24 B (H220735-07)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*92.3 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*95.9 %*	*59.5-142*

Sample ID: F 25 B (H220735-08)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*97.7 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*102 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 26 B (H220735-09)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*99.1 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*102 %*	*59.5-142*

Sample ID: F 27 B (H220735-10)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*93.4 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*96.4 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 29 B (H220735-11)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*98.2 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*100 %*	*59.5-142*

Sample ID: F 30 B (H220735-12)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	**46.9**	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*101 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*106 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 34 B (H220735-13)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*104 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*109 %*	*59.5-142*

Sample ID: F 35 B (H220735-14)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	**21.3**	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*98.6 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*102 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: F 36 B (H220735-15)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	**13.9**	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*92.7 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*96.8 %*	*59.5-142*

Sample ID: F 37 B (H220735-16)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	**15.4**	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*96.0 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*97.9 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/25/2022	Sampling Date:	02/24/2022
Reported:	02/28/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SSW 1 B (H220735-17)

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	02/25/2022	ND	218	109	200	0.784	
DRO >C10-C28*	<10.0	10.0	02/25/2022	ND	247	124	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	02/25/2022	ND					

Surrogate: 1-Chlorooctane	*101 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*104 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K. Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner: COG
Project Name: Lychee BUS St Com 1H Bty
Project Location: Rural Lea
Sampler Name: Dominic Casarez

BILL TO
P.O. #:
Company COG
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220735																	
1	F18 B	C	1			✓					✓		2/24/22			X	
2	F19 B																
3	F20 B																
4	F21 B																
5	F22 B																
6	F23 B																
7	F24 B																
8	F25 B																
9	F 26 B																
10	F27 B																

Relinquished By: Date: 2/24/22 Time: 5:00pm Received By:
Relinquished By: Date: 2-25-22 Time: 0835 Received By:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
-8.1°C -0.5°C -8.6°C #113
Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials) T.O.

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

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K. Parra
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner: COG
Project Name: Cyclone BWS St Com 1H Battery
Project Location: Rural Lea
Sampler Name: Dominic Casarez

BILL TO
P.O. #:
Company COG
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220735																	
11	F29 B	C	1			✓					✓		2/24/22			X	
12	F30 B																
13	F34 B																
14	F35 B																
15	F36 B																
16	F37 B																
17	SSW1 B																

DW 2/25/22

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

Relinquished By: Date: 2/24/22 Time: 5:30p Received By:
Relinquished By: Date: 2-25-22 Time: 0835 Received By: Tamara Oldaker
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
-8.1° C -0.5° C -8.6° C #113
Sample Condition: Cool: Yes / No Intact: Yes / No
CHECKED BY: (Initials) TO

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Rush!
Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

CARDINAL Laboratories

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

March 01, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: LYCHEE BWS STATE COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/28/22 11:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/28/2022	Sampling Date:	02/25/2022
Reported:	03/01/2022	Sampling Type:	Soil
Project Name:	LYCHEE BWS STATE COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	15211	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: DEF 1 B (H220761-01)

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2022	ND	181	90.4	200	1.48	
DRO >C10-C28*	<10.0	10.0	02/28/2022	ND	204	102	200	0.985	
EXT DRO >C28-C36	<10.0	10.0	02/28/2022	ND					

Surrogate: 1-Chlorooctane	*105 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*102 %*	*59.5-142*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: K. Purvis
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 15211 Project Owner: COG
Project Name: Lychee BWS St Com 1H Btry
Project Location: Rural Lea
Sampler Name: Dominic Casarez

BILL TO
P.O. #:
Company COG
Attn: Jacqui Harris
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H220761																	
1	DEF 1 B	C	1			✓					✓		2/25/22			X	

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

Relinquished By: Date: 2/25/22 Time: 5:00pm Received By:
Relinquished By: Date: 2-28-22 Time: 1155 Received By: Tamara Oldaker
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
-3.8° C -0.5° -4.3° C #113
Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials) TO

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

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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

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1625 N. French Dr., Hobbs, NM 88240
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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 106951

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 106951
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved.	5/26/2022