



CLOSURE REQUEST REPORT

**East Lusk 15 Federal Com 2H
Lea County, New Mexico
Incident Number nAPP2406276831**

**Prepared for:
Coterra Energy (Cimarex Energy Co. Of Colorado)**

Carlsbad • Houston • Midland • San Antonio • Lubbock • Hobbs • Lafayette



SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Coterra Energy (Coterra), formerly Cimarex Energy Co. Of Colorado, presents the following Closure Request Report (CRR) detailing corrective actions and subsequent soil sampling activities associated with an inadvertent release of crude oil and produced water at the East Lusk Federal Com 2H (Site). Based on the remedial activities and associated laboratory analytical results from recent soil sampling events, Coterra is requesting No Further Action (NFA) until the Site is ready to undergo plugging and abandonment (P&A) and reclamation activities.

SITE LOCATION AND BACKGROUND

The Site is located in Unit I, Section 15, Township 19 South, Range 32 East, in Lea County, New Mexico (32.659586, -103.746568) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1 in Appendix A**).

On March 2, 2024, failure of the tubing pressure valve resulted in the release of 14 barrels (bbls) of crude oil and 15 bbls of produced water onto the well pad. A vac truck recovered a total of 10 bbls of crude oil and 10 bbls of produced water. Coterra reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was subsequently assigned Incident Number nAPP2406276831.

On March 7, 2024, Etech conducted initial site assessment activities which included mapping the observed release footprint, hereafter referred to as the Area of Concern (AOC), which is shown in **Figure 2 in Appendix A**.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a soil boring (CP-1197) that was drilled by H&R Enterprises, LLC for Coterra on May 8, 2024, located on the northeast corner of the Site well pad. Using a truck mounted drill rig equipped with air rotary, the soil boring was advanced to a total depth of 105 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged



and abandoned according to the appropriate regulations. The referenced well records are provided in **Appendix B**. All soil boring locations and regional groundwater well locations used to determine depth to groundwater are shown in **Figure 1A** in **Appendix A**.

All other receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the Site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and estimated regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-gasoline range organics (GRO) + TPH-diesel range organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

DELINEATION SOIL SAMPLING ACTIVITIES

On March 13, 2024, Etech conducted delineation activities to assess the presence and/or absence of impacts associated with the AOC. Three test trenches (TT-1 through TT-3) were advanced via heavy equipment within the AOC up to 4 feet bgs. Soil samples were collected from each delineation soil sampling location at approximately 1-foot intervals up to 4 feet bgs or until equipment refusal was met. The locations of the delineation soil samples are displayed in **Figure 2** in **Appendix A**. Photographic documentation during delineation activities is included in **Appendix C**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of COCs.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated BTEX, TPH-GRO + TPH-DRO and TPH concentrations exceeded the Site Closure Criteria within the top 1-foot bgs within the AOC and below the Site Closure Criteria for delineation soil samples collected at and below 1-foot bgs within the AOC. Laboratory analytical results indicated chloride concentrations were below the Site Closure Criteria for all delineation soil samples. Laboratory analytical results are summarized in **Table 1** and included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

EXCAVATION SOIL SAMPLING ACTIVITIES

During March 15 through March 27, 2024, Etech oversaw excavation activities via mechanical equipment to address impacts identified by delineation soil sample laboratory analytical results and visual observation.



Following the removal of impacted soil, 5-point composite confirmation soil samples were collected at a frequency no greater than 200 square feet from the floor (BH 1 through BH 34) and sidewalls (SW 1 through SW 15) of the excavation. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Excavation confirmation soil samples were handled and analyzed as previously described. The locations of the excavation confirmation soil samples are shown in **Figure 3 in Appendix A**.

On March 27, 2024, excavation activities resumed based on identified Site Closure Criteria exceedances of TPH-GRO + TPH-DRO and/or TPH concentrations within proximity of confirmation excavation soil samples BH 33 and BH 34. Excavation confirmation soil samples were collected from the new excavation floor, which is denoted by an "A" added to the end of the original soil sample nomenclature. Excavation confirmation soil samples were handled and analyzed as previously described. The locations of the excavation confirmation soil samples are shown in **Figure 3 in Appendix A**.

Upon completion of remediation activities, approximately 522 cubic yards of impacted soil was removed from the Site and transported to R360 in Hobbs, New Mexico under Coterra approved waste manifests. Photographic documentation of all Site activities is included in **Appendix C**. Discrete samples were collected from the clean stockpile being utilized for restoration to confirm use and labeled as SP North and SP South.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples were below the Site Closure Criteria. Laboratory analytical results for confirmation excavation samples and stockpile samples are summarized in **Table 1** and included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

CLOSURE REQUEST

Based on laboratory analytical results, impacts associated with the AOC have been delineated and excavated in accordance with Site Closure Criteria and removed from the Site. The excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible.

Coterra believes the timely response mitigated impacts at the Site and that the completed corrective actions meet the requirements set forth in NMAC regulations to be protective of human health, the environment, and groundwater. As such, NFA appears warranted at this time until the Site undergoes P&A activities, and the Site should be respectfully considered for Closure by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (432) 305-6413 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or erick@etechenv.com. Documentation of correspondence and notifications regarding Incident Number nAPP2406276831 is presented as **Attachment F**.

Sincerely,

Etech Environmental and Safety Solutions, Inc.

A handwritten signature in black ink, appearing to read "Erick H".

Erick Herrera
Project Geologist
Closure Request Report
Incident Number nAPP2406276831
East Lusk 15 Federal Com 2H

A handwritten signature in black ink, appearing to read "Joseph S. Hernandez".

Joseph S. Hernandez
Senior Managing Geologist



cc: Laci Luig, Coterra
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Map

Figure 1A: Site Characterization Map - Groundwater

Figure 1B: Site Characterization Map - Surficial Receptors

Figure 1C: Site Characterization Map – Subsurface Receptors

Figure 2: Delineation Soil Sample Locations

Figure 3: Excavation Soil Sample Locations

Appendix D: Tables

Appendix B: Referenced Well Records

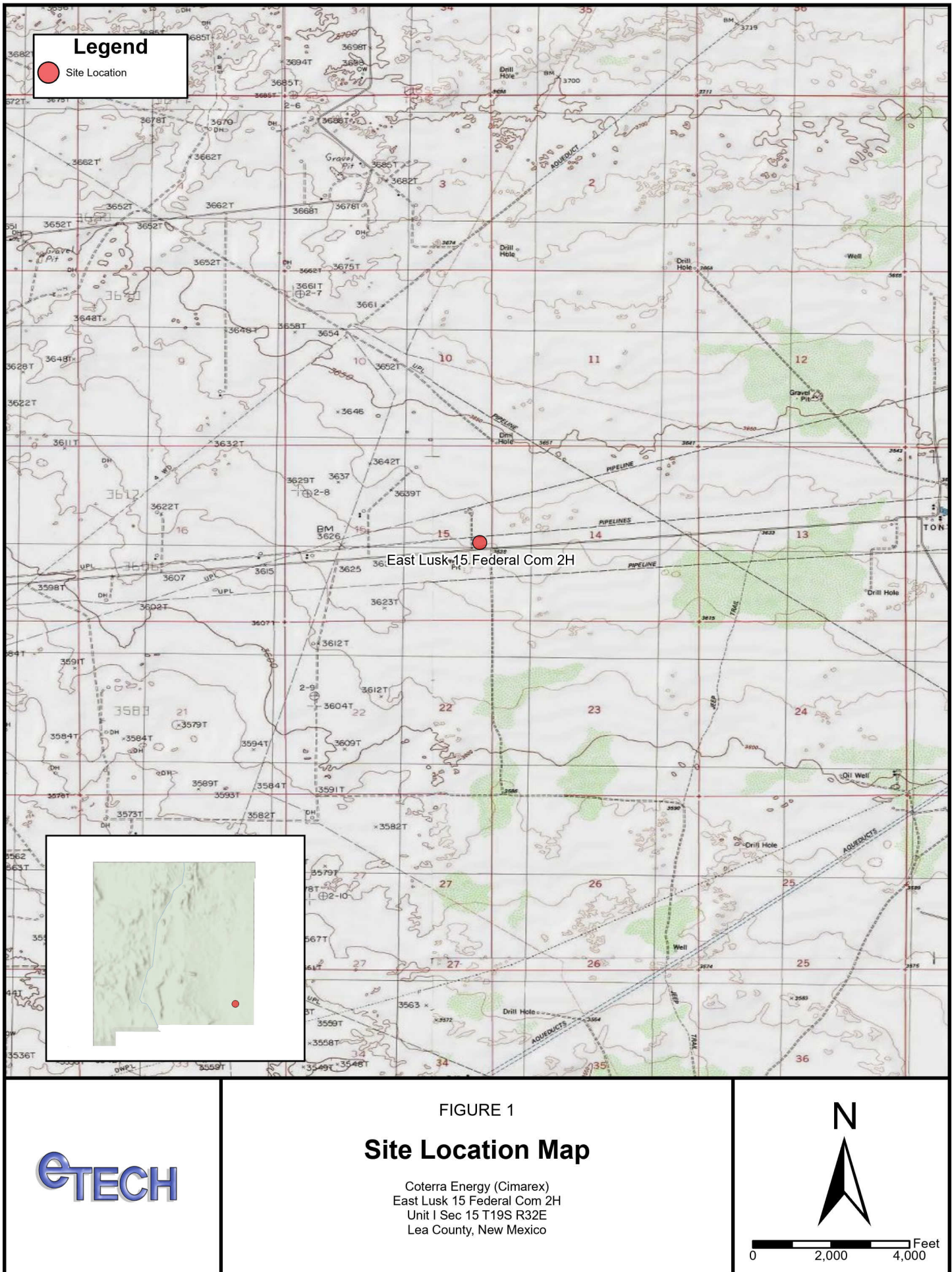
Appendix C: Photographic Log

Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix F: Correspondence & Notifications

APPENDIX A

Figures



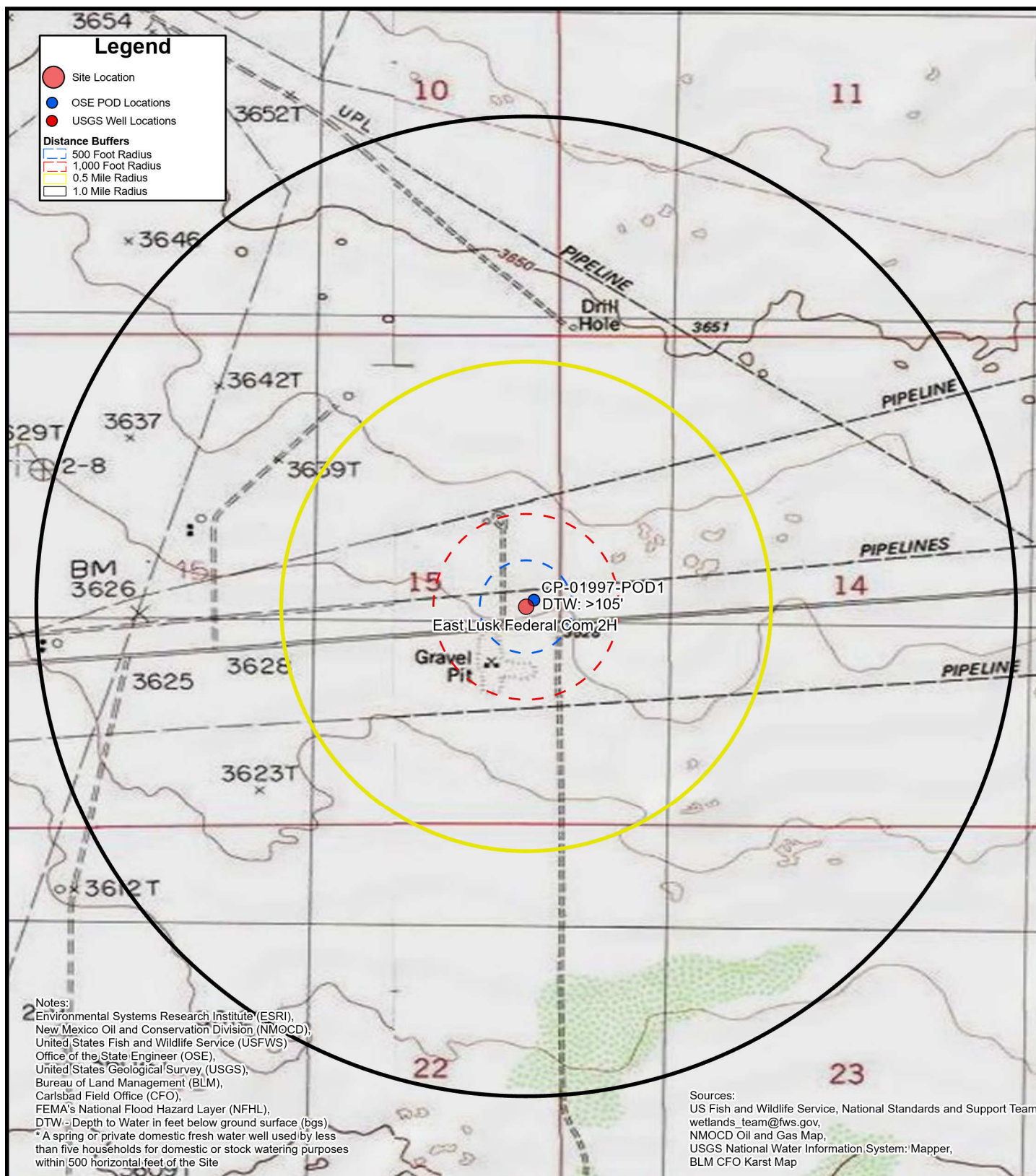
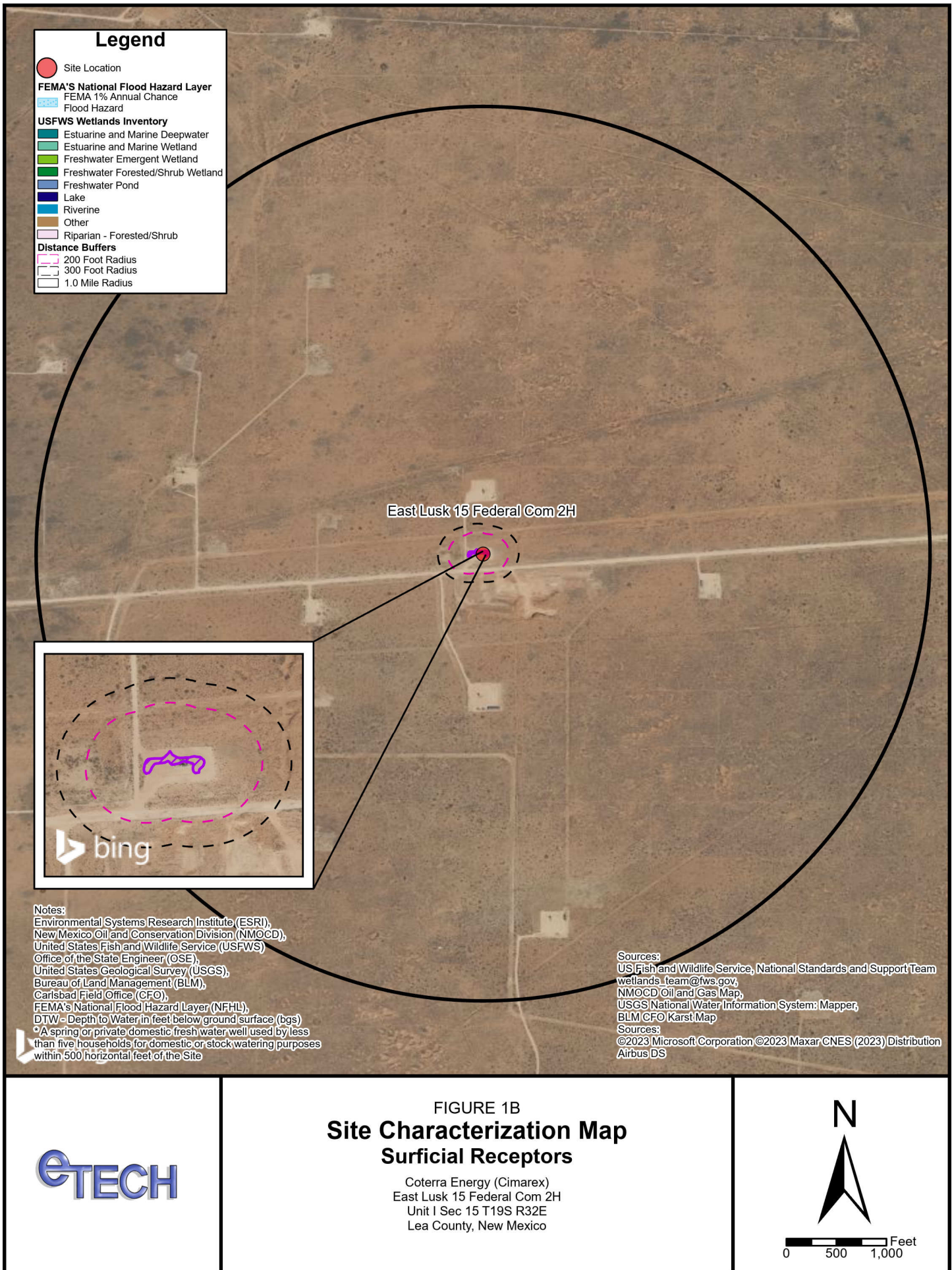


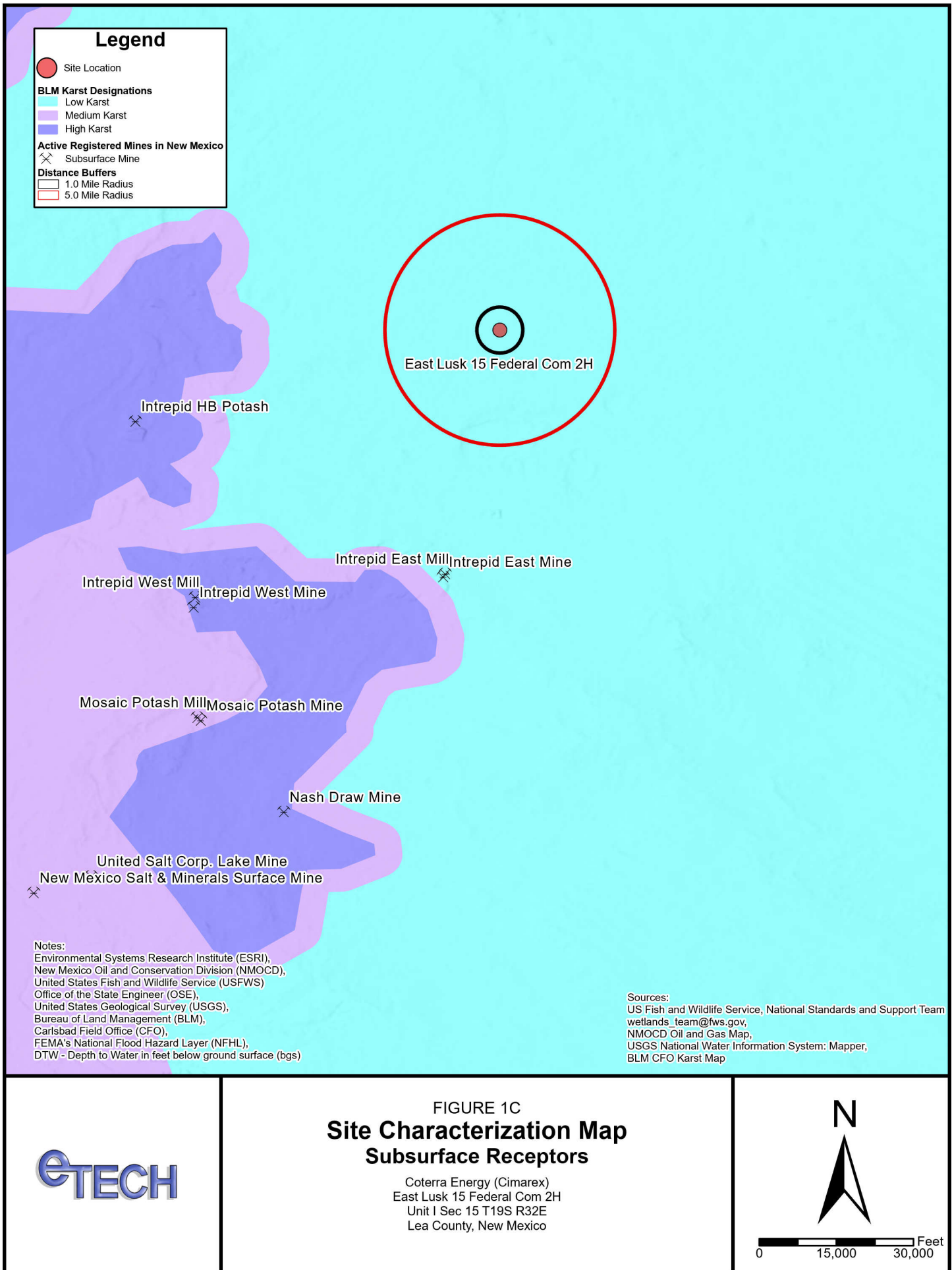
FIGURE 1A
**Site Characterization Map
Groundwater**

Coterra Energy (Cimarex)
East Lusk 15 Federal Com 2H
Unit 1 Sec 15 T19S R32E
Lea County, New Mexico



0 500 1,000 Feet





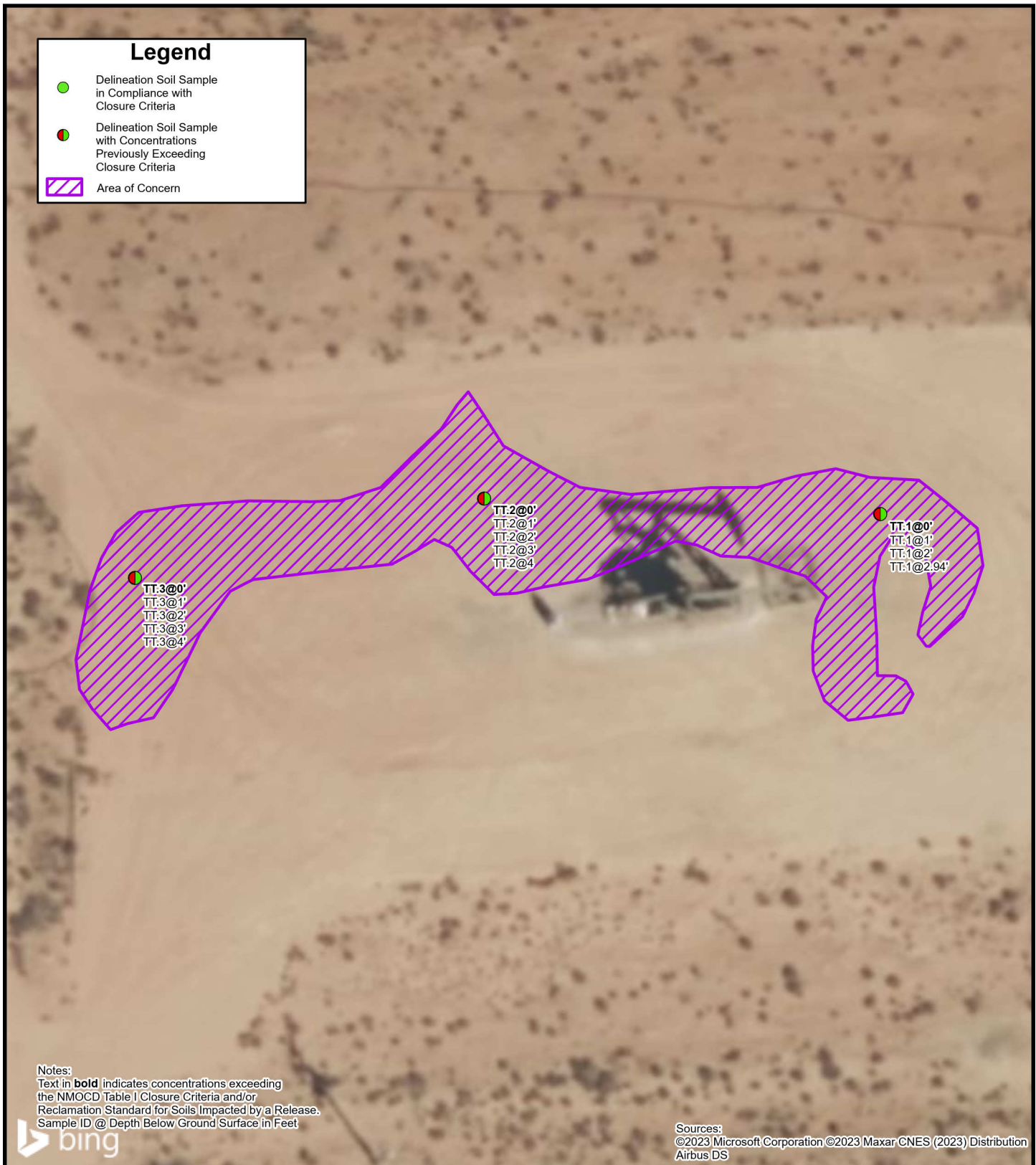


FIGURE 2

Delineation Soil Sample Locations

Coterra Energy (Cimarex)
East Lusk 15 Federal Com 2H
Unit 1 Sec 15 T19S R32E
Lea County, New Mexico



0 20 40 Feet

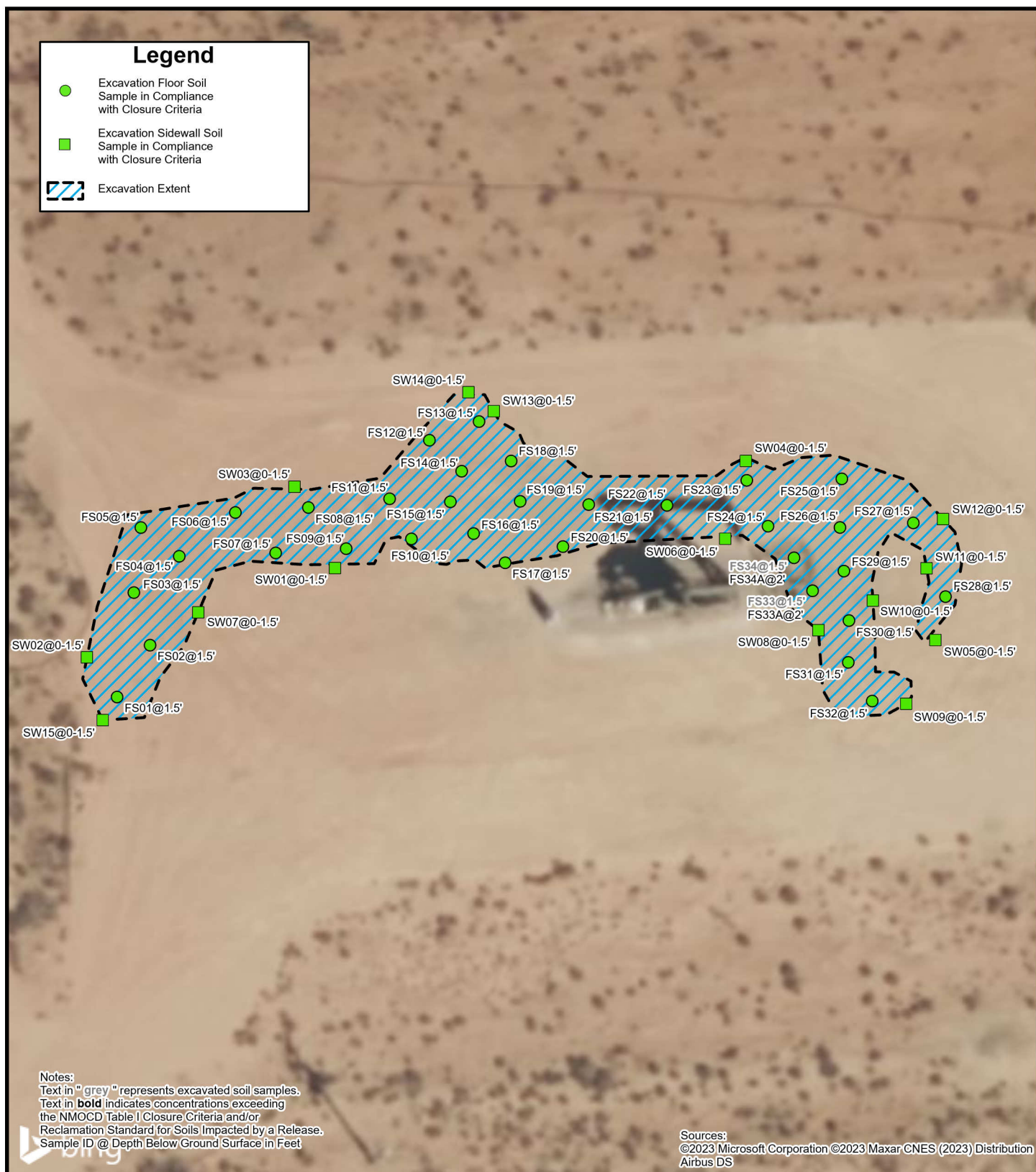
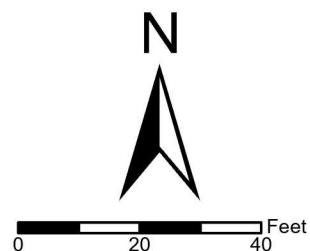


FIGURE 3

Excavation Soil Sample Locations

Coterra Energy (Cimarex)
 East Lusk 15 Federal Com 2H
 Unit I Sec 15 T19S R32E
 Lea County, New Mexico



APPENDIX D

Tables




Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Coterra Energy (Cimarex)
East Lusk 15 Federal Com 2H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - Incident Number nAPP2406276831										
TT-1	03/13/2024	0	4.97	183	3,280	37,700	7,300	41,000	48,300	320
TT-1	03/13/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
TT-1	03/13/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
TT-1	03/13/2024	2.94	<0.050	0.061	<10.0	203	32.7	203	236	64.0
TT-2	03/13/2024	0	1.85	121	2,000	29,900	6,220	31,900	38,100	1,060
TT-2	03/13/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
TT-2	03/13/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
TT-2	03/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
TT-2	03/13/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
TT-3	03/13/2024	0	1.58	127	1,960	34,800	5,940	36,800	42,700	544
TT-3	03/13/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
TT-3	03/13/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
TT-3	03/13/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
TT-3	03/13/2024	4	<0.050	<0.300	<10.0	75.3	<10.0	75.3	75.3	336
Excavation Soil Samples - Incident Number nAPP2406276831										
BH 1	03/15/2024	1.5	<0.050	<0.300	<10.0	38.2	<10.0	38.2	38.2	144
BH 2	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH 3	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
BH 4	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH 5	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH 6	03/15/2024	1.5	<0.050	0.345	12.1	436	77.8	448	526	240
BH 7	03/15/2024	1.5	<0.050	<0.300	<10.0	16.4	<10.0	16.4	16.4	80.0
BH 8	03/15/2024	1.5	<0.050	<0.300	<10.0	178	27.5	178	206	320
BH 9	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140
BH 10	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH 11	03/15/2024	1.5	<0.050	<0.300	<10.0	25.7	<10.0	25.7	25.7	800
BH 12	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BH 13	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BH 14	03/15/2024	1.5	<0.050	<0.300	<10.0	79.9	<10.0	79.9	79.9	1,710
BH 15	03/15/2024	1.5	<0.050	<0.300	<10.0	130	13.5	130	144	224
BH 16	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH 17	03/15/2024	1.5	<0.050	<0.300	<10.0	22.3	<10.0	22.3	22.3	112



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Coterra Energy (Cimarex)
East Lusk 15 Federal Com 2H
Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
BH 18	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
BH 19	03/15/2024	1.5	<0.050	<0.300	<10.0	122	14.6	122	137	240
BH 20	03/15/2024	1.5	<0.050	<0.300	<10.0	18.0	<10.0	18.0	18.0	64.0
BH 21	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,250
BH 22	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
BH 23	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BH 24	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
BH 25	03/15/2024	1.5	<0.050	0.903	10.2	214	29.6	224	254	784
BH 26	03/15/2024	1.5	<0.050	0.987	16.7	455	79.2	472	551	368
BH 27	03/15/2024	1.5	<0.050	0.060	<10.0	200	49.3	200	249	64.0
BH 28	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
BH 29	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
BH 30	03/15/2024	1.5	<0.050	<0.300	<10.0	27.5	<10.0	27.5	27.5	128
BH 31	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
BH 32	03/15/2024	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
BH 33	03/15/2024	1.5	<0.050	0.969	13.7	4,440	1,390	4,454	5,844	1,120
BH 33A	03/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
BH 34	03/15/2024	1.5	<0.050	7.79	93.2	1,900	495	1,993	2,488	1,580
BH 34A	03/27/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW 1	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW 2	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW 3	03/15/2024	0-1.5	<0.050	0.061	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW 4	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW 5	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW 6	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW 7	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW 8	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW 9	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW 10	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW 11	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW 12	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW 13	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW 14	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

<div><div></div><div><div>Table 1</div><div>SOIL SAMPLE ANALYTICAL RESULTS</div><div>Coterra Energy (Cimarex)</div><div>East Lusk 15 Federal Com 2H</div><div>Lea County, New Mexico</div></div></div>										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
SW 15	03/15/2024	0-1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP North	03/27/2024	-	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP South	03/27/2024	-	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in "grey" represents excavated soil samples
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard[†] for Soils Impacted by a Release
[†] The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

APPENDIX B

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO. 2155B		OSE FILE NO(S). CP-1997			
	WELL OWNER NAME(S) Coterra Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS PO Box 3641				CITY Hobbs	STATE NM	ZIP 88241	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 39	SECONDS 35.20	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	44	77	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Section 15 Township 19s Range 32e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 5-8-24	DRILLING ENDED 5-8-24	DEPTH OF COMPLETED WELL (FT) 105'		BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	6"	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0'	10'		Caliche	Y ✓ N	
	10'	20'		Sandy caliche	Y ✓ N	
	20'	30'		red sand	Y ✓ N	
	35'	105'		sandy red clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: dry hole					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Well was gauged for water on 5/13/24, well was dry. Temporary well casing was removed, bore hole was backfilled to 10' BGS with drill cuttings, then hydrated bentonite chips were poured from 10' BGS to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley 5/20/24 DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1997 Pod 1

Well owner: Coterra Energy

Phone No.: 575-605-3471

Mailing address: PO Box 3641

City: Hobbs

State: NM

Zip code: 88241

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer
- 4) Date well plugging began: 5-13-24 Date well plugging concluded: 5-13-24
- 5) GPS Well Location: Latitude: 32 deg, 39 min, 20 sec
Longitude: 103 deg, 44 min, 46.77 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 4/11/24
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

[illegible]

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

Date _____

APPENDIX C

Photographic Log



PHOTOGRAPHIC LOG

Coterra Energy (Cimarex)

East Lusk 15 Federal Com 2H

Incident Number nAPP2406276831



Photograph 1

Date: 03/13/2024

Description: Northern view of delineation activities.



Photograph 2

Date: 03/13/2024

Description: Southwestern view of delineation activities.



Photograph 3

Date: 03/14/2024

Description: Southeastern view of excavation activities.



Photograph 4

Date: 03/15/2024

Description: Northern view of excavation activities.



PHOTOGRAPHIC LOG

Coterra Energy (Cimarex)

East Lusk 15 Federal Com 2H

Incident Number nAPP2406276831



Photograph 5

Date: 04/08/2024

Description: Southeastern view of restoration activities.



Photograph 6

Date: 04/08/2024

Description: Northwestern view of restoration activities.



Photograph 7

Date: 04/08/2024

Description: Northeastern view of restoration activities.



Photograph 8

Date: 04/08/2024

Description: Southwestern view of restoration activities.

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



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

June 11, 2024

BRANDON WILSON

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: EAST LUSK 15 FEDERAL COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 03/27/24 15:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 1401-19940-000
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:15

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BOTTOM HOLE 33A - 24"	H241607-03	Soil	27-Mar-24 14:10	27-Mar-24 15:31
BOTTOM HOLE 34A - 24"	H241607-04	Soil	27-Mar-24 14:15	27-Mar-24 15:31

06/11/24 - Client added sample depths (see COC). This is the revised report and will replace the one sent on 03/28/24.

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 1401-19940-000
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:15

BOTTOM HOLE 33A - 24"**H241607-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	4032813	HM	28-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4032738	JH	27-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	4032738	JH	27-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4032732	MS	27-Mar-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4032732	MS	27-Mar-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4032732	MS	27-Mar-24	8015B	

Surrogate: 1-Chlorooctane	100 %	48.2-134	4032732	MS	27-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane	105 %	49.1-148	4032732	MS	27-Mar-24	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 1401-19940-000
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:15

BOTTOM HOLE 34A - 24"**H241607-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	4032813	HM	28-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4032738	JH	27-Mar-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4032738	JH	27-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	4032738	JH	27-Mar-24	8021B	
---------------------------------------	-------	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4032732	MS	27-Mar-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4032732	MS	27-Mar-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4032732	MS	27-Mar-24	8015B	

Surrogate: 1-Chlorooctane	98.0 %	48.2-134	4032732	MS	27-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane	102 %	49.1-148	4032732	MS	27-Mar-24	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 1401-19940-000
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:15

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 4032813 - 1:4 DI Water									
Blank (4032813-BLK1)					Prepared & Analyzed: 28-Mar-24				
Chloride	ND	16.0	mg/kg						
LCS (4032813-BS1)					Prepared & Analyzed: 28-Mar-24				
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (4032813-BSD1)					Prepared & Analyzed: 28-Mar-24				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20

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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 1401-19940-000
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:15

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4032738 - Volatiles**Blank (4032738-BLK1)**

Prepared & Analyzed: 27-Mar-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500		105	71.5-134			

LCS (4032738-BS1)

Prepared & Analyzed: 27-Mar-24

Benzene	2.17	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.17	0.050	mg/kg	2.00		109	86-128			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.07	0.050	mg/kg	2.00		104	86.1-125			
Total Xylenes	6.38	0.150	mg/kg	6.00		106	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	71.5-134			

LCS Dup (4032738-BS1)

Prepared & Analyzed: 27-Mar-24

Benzene	2.17	0.050	mg/kg	2.00		109	82.8-130	0.107	15.8	
Toluene	2.17	0.050	mg/kg	2.00		108	86-128	0.267	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128	0.127	16	
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129	0.0314	16.2	
o-Xylene	2.07	0.050	mg/kg	2.00		104	86.1-125	0.107	16.7	
Total Xylenes	6.39	0.150	mg/kg	6.00		106	88.2-128	0.0134	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 1401-19940-000
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:15

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4032732 - General Prep - Organics**Blank (4032732-BLK1)**

Prepared & Analyzed: 27-Mar-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.9		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	58.3		mg/kg	50.0		117	49.1-148			

LCS (4032732-BS1)

Prepared & Analyzed: 27-Mar-24

GRO C6-C10	230	10.0	mg/kg	200		115	66.4-123			
DRO >C10-C28	232	10.0	mg/kg	200		116	66.5-118			
Total TPH C6-C28	462	10.0	mg/kg	400		115	77.6-123			
Surrogate: 1-Chlorooctane	63.2		mg/kg	50.0		126	48.2-134			
Surrogate: 1-Chlorooctadecane	68.1		mg/kg	50.0		136	49.1-148			

LCS Dup (4032732-BS1)

Prepared & Analyzed: 27-Mar-24

GRO C6-C10	214	10.0	mg/kg	200		107	66.4-123	6.99	17.7	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	11.1	21	
Total TPH C6-C28	422	10.0	mg/kg	400		106	77.6-123	9.03	18.5	
Surrogate: 1-Chlorooctane	58.2		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	60.2		mg/kg	50.0		120	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

Company Name: E-Tech Environmental & Safety Solutions				BILL TO				ANALYSIS REQUEST									
Project Manager: Brandon Wilson				P.O. #: 19940													
Address: P.O. Box 62228				Company: E-Tech Env.													
City: Midland State: TX Zip: 79711				Attn: Brandon Wilson													
Phone #: 432-813-9515 Fax #: 432-563-2213				Address: P.O. Box 62228													
Project #: 1401-19940-000 Project Owner: Cimarex				City: Midland													
Project Name: East Lusk 15 Federal Com 24				State: TX Zip: 79711													
Project Location: Lea Co. NM.				Phone #: 432-813-9515													
Sampler Name: Cameron Chachinhe				Fax #: 432-563-2213													
FOR LAB USE ONLY																	
Lab I.D. H241607		Sample I.D.		(GRAB OR C)OMP	# CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	PRESERV. ACID/BASE: ICE / COOL ✓ OTHER :	SAMPLING DATE TIME									
1 Stockpile North				1		X	X	3-27-24 2:00pm	X	X	X						
2 Stockpile South				1		X	X	2:05pm	X	X	X						
3 Bottom Hole 33A - 24"				1		X	X	2:10pm	X	X	X						
4 Bottom Hole 34A - 24"				1		X	X	2:15pm	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: 3-27-24 Time: 3:31pm				Received By:									
Relinquished By:				Date:				Received By:									
Delivered By: (Circle One)				Observed Temp. °C 31				Sample Condition Cool Intact Yes No				CHECKED BY: (Initials) V.O.					
Sampler - UPS - Bus - Other:				Corrected Temp. °C				Turnaround Time: Standard Rush 24hr				Thermometer ID #140 Correction Factor 0°C					
								Verbal Result: Yes No Add'l Phone #:				All Results are emailed. Please provide Email address: Brandon@etechev.com					
								REMARKS: 24 hr rush TAT. Phase email all 3 changes requested Depth to 6/2/24 email address provided.				Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C					

FORM-000 R 3.4 07/11/23

† Cardinal cannot accept verbal change. Please email changes to celey.keane@cardinalcorp.com



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

March 28, 2024

BRANDON WILSON

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: EAST LUSK 15 FEDERAL COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 03/27/24 15:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/27/2024	Sampling Date:	03/27/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	EAST LUSK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	1401-19940-000	Sample Received By:	Tamara Oldaker
Project Location:	COTERRA - LEA CO, NM		

Sample ID: STOCKPILE NORTH (H241607-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	0.107		
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	0.267		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.12	106	2.00	0.127		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.38	106	6.00	0.0134		
Total BTEX	<0.300	0.300	03/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/28/2024	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	03/27/2024	ND	230	115	200	6.99	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	232	116	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/27/2024	Sampling Date:	03/27/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	EAST LUSK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	1401-19940-000	Sample Received By:	Tamara Oldaker
Project Location:	COTERRA - LEA CO, NM		

Sample ID: STOCKPILE SOUTH (H241607-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	0.107		
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	0.267		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.12	106	2.00	0.127		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.38	106	6.00	0.0134		
Total BTEX	<0.300	0.300	03/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/28/2024	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	03/27/2024	ND	230	115	200	6.99	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	232	116	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>E-Tech Environmental & Safety Solutions</u>				BILL TO		ANALYSIS REQUEST															
Project Manager: <u>Brandon Wilson</u>				P.O. #: <u>19940</u>		<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX 8021B</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 8015</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride 4500</div> </div>															
Address: <u>P.O. Box 62228</u>				Company: <u>E-Tech Env.</u>																	
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79711</u>				Attn: <u>Brandon Wilson</u>																	
Phone #: <u>432-813-9515</u> Fax #: <u>432-563-2213</u>				Address: <u>P.O. Box 62228</u>																	
Project #: <u>1401-19940-000</u> Project Owner: <u>Cimarex</u>				City: <u>Midland</u>																	
Project Name: <u>East Lusk 15 Federal Com 2H</u>				State: <u>TX</u> Zip: <u>79711</u>																	
Project Location: <u>Lea Co. NM.</u>				Phone #: <u>432-813-9515</u>																	
Sampler Name: <u>Cameron Chadlinher</u>				Fax #: <u>432-563-2213</u>																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING									
								GROUNDWATER		ICE / COOL		DATE		TIME							
								WASTEWATER		✓											
								SOIL													
								OIL													
								SLUDGE													
								OTHER :													
								ACID/BASE:													



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

June 11, 2024

BRANDON WILSON

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: EAST LUSK 15 FEDERAL COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 03/19/24 11:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SIDEWALL 7 0-18"	H241414-01	Soil	15-Mar-24 09:15	19-Mar-24 11:22
SIDEWALL 8 0-18"	H241414-02	Soil	15-Mar-24 09:20	19-Mar-24 11:22
SIDEWALL 9 0-18"	H241414-03	Soil	15-Mar-24 09:25	19-Mar-24 11:22
SIDEWALL 10 0-18"	H241414-04	Soil	15-Mar-24 09:30	19-Mar-24 11:22
SIDEWALL 11 0-18"	H241414-05	Soil	15-Mar-24 09:35	19-Mar-24 11:22
SIDEWALL 12 0-18"	H241414-06	Soil	15-Mar-24 09:40	19-Mar-24 11:22
SIDEWALL 13 0-18"	H241414-07	Soil	15-Mar-24 09:45	19-Mar-24 11:22
SIDEWALL 14 0-18"	H241414-08	Soil	15-Mar-24 09:50	19-Mar-24 11:22
SIDEWALL 15 0-18"	H241414-09	Soil	15-Mar-24 09:55	19-Mar-24 11:22

06/11/24 - Client added depths to all samples (see COC). This is the revised report and will replace the one sent on 03/20/24.

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 7 0-18"**H241414-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4031905	JH	19-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			97.1 %	48.2-134		4031946	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			110 %	49.1-148		4031946	MS	19-Mar-24	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 8 0-18"**H241414-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	4031905	JH	19-Mar-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B

Surrogate: 1-Chlorooctane	93.3 %	48.2-134	4031946	MS	19-Mar-24	8015B
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Surrogate: 1-Chlorooctadecane	107 %	49.1-148	4031946	MS	19-Mar-24	8015B
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 9 0-18"**H241414-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	4031905	JH	19-Mar-24	8021B
---------------------------------------	-------	----------	---------	----	-----------	-------

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B

Surrogate: 1-Chlorooctane	93.5 %	48.2-134	4031946	MS	19-Mar-24	8015B
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Surrogate: 1-Chlorooctadecane	108 %	49.1-148	4031946	MS	19-Mar-24	8015B
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 10 0-18"**H241414-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	112 %	71.5-134	4031905	JH	19-Mar-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B

Surrogate: 1-Chlorooctane	86.3 %	48.2-134	4031946	MS	19-Mar-24	8015B
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Surrogate: 1-Chlorooctadecane	97.4 %	49.1-148	4031946	MS	19-Mar-24	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 11 0-18"**H241414-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		4031905	JH	19-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			88.4 %	48.2-134		4031946	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			99.2 %	49.1-148		4031946	MS	19-Mar-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 12 0-18"**H241414-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		4031905	JH	19-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			96.6 %	48.2-134		4031946	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			110 %	49.1-148		4031946	MS	19-Mar-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 13 0-18"**H241414-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	4031905	JH	19-Mar-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B

Surrogate: 1-Chlorooctane	96.3 %	48.2-134	4031946	MS	19-Mar-24	8015B
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Surrogate: 1-Chlorooctadecane	108 %	49.1-148	4031946	MS	19-Mar-24	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 14 0-18"**H241414-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	4031905	JH	19-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			93.5 %		48.2-134	4031946	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			111 %		49.1-148	4031946	MS	19-Mar-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

SIDEWALL 15 0-18"**H241414-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4031905	JH	19-Mar-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4031905	JH	19-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	4031905	JH	19-Mar-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4031946	MS	19-Mar-24	8015B

Surrogate: 1-Chlorooctane	87.7 %	48.2-134	4031946	MS	19-Mar-24	8015B
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Surrogate: 1-Chlorooctadecane	98.2 %	49.1-148	4031946	MS	19-Mar-24	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 4032022 - 1:4 DI Water									
Blank (4032022-BLK1)					Prepared & Analyzed: 20-Mar-24				
Chloride	ND	16.0	mg/kg						
LCS (4032022-BS1)					Prepared & Analyzed: 20-Mar-24				
Chloride	416	16.0	mg/kg	400		104 80-120			
LCS Dup (4032022-BSD1)					Prepared & Analyzed: 20-Mar-24				
Chloride	432	16.0	mg/kg	400		108 80-120	3.77	20	

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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031905 - Volatiles**Blank (4031905-BLK1)**

Prepared & Analyzed: 19-Mar-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0543		mg/kg	0.0500		109	71.5-134			

LCS (4031905-BS1)

Prepared & Analyzed: 19-Mar-24

Benzene	2.04	0.050	mg/kg	2.00		102	82.8-130			
Toluene	2.05	0.050	mg/kg	2.00		103	86-128			
Ethylbenzene	2.13	0.050	mg/kg	2.00		107	85.9-128			
m,p-Xylene	4.27	0.100	mg/kg	4.00		107	89-129			
o-Xylene	2.16	0.050	mg/kg	2.00		108	86.1-125			
Total Xylenes	6.43	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0553		mg/kg	0.0500		111	71.5-134			

LCS Dup (4031905-BSD1)

Prepared & Analyzed: 19-Mar-24

Benzene	2.19	0.050	mg/kg	2.00		110	82.8-130	7.14	15.8	
Toluene	2.07	0.050	mg/kg	2.00		103	86-128	0.507	15.9	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128	2.51	16	
m,p-Xylene	4.05	0.100	mg/kg	4.00		101	89-129	5.15	16.2	
o-Xylene	2.07	0.050	mg/kg	2.00		103	86.1-125	4.43	16.7	
Total Xylenes	6.12	0.150	mg/kg	6.00		102	88.2-128	4.91	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.8	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: EAST LUSK 15 FEDERAL COM 2H
Project Number: 57336
Project Manager: BRANDON WILSON
Fax To:

Reported:
11-Jun-24 15:10

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031946 - General Prep - Organics**Blank (4031946-BLK1)**

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	48.2-134			
Surrogate: 1-Chlorooctadecane	53.5		mg/kg	50.0		107	49.1-148			

LCS (4031946-BS1)

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	202	10.0	mg/kg	200		101	66.4-123			
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118			
Total TPH C6-C28	419	10.0	mg/kg	400		105	77.6-123			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	56.2		mg/kg	50.0		112	49.1-148			

LCS Dup (4031946-BS1)

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	170	10.0	mg/kg	200		84.9	66.4-123	17.3	17.7	
DRO >C10-C28	188	10.0	mg/kg	200		94.0	66.5-118	14.0	21	
Total TPH C6-C28	358	10.0	mg/kg	400		89.5	77.6-123	15.6	18.5	
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.1	48.2-134			
Surrogate: 1-Chlorooctadecane	60.0		mg/kg	50.0		120	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Etech Environmental and Safety Solutions, Inc				Billing Information: Coterra Energy Accounts Payable 6001 Deauville Blvd, Midland, Tx, 79706				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ____ of ____	
Report to: Brandon Wilson				Email To: <u>brandon@etechenv.com</u>																	
Project Description: East Lusk 15 Fed. Com 2H				City/State Collected: <u>Lea County</u>																	
Phone: <u>(432) 813-9515</u>				Etech Project # 19940				Lab Project # <u>H241414</u>												SDG #	
Fax:				Cost Center #				P.O. #19940												Table #	
Collected by (print): <u>Cameron Chadwick</u>				Rush? (Lab MUST Be Notified) <u>Yes 24 hrs</u>				Case # <u>57336</u>												Acctnum:	
Collected by (signature): <u>[Signature]</u>				<input checked="" type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day				Date Results Needed												Template:	
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>								No. of Cntrs												Prelogin:	
Sample ID				Comp/Grab		Matrix *		Depth		Date		Time				Hold		PB:			
1 Sidewall 7 0-18"				Comp		SS		NA		3/15/2024		9:15		1		TPH 8015		Shipped Via:			
2 Sidewall 8 0-18"				Comp		SS		NA		3/15/2024		9:20		1		Chloride 4500		Remarks			
3 Sidewall 9 0-18"				Comp		SS		NA		3/15/2024		9:25		1		BTEX 8021B		Sample # (lab only)			
4 Sidewall 10 0-18"				Comp		SS		NA		3/15/2024		9:30		1							
5 Sidewall 11 0-18"				Comp		SS		NA		3/15/2024		9:35		1							
6 Sidewall 12 0-18"				Comp		SS		NA		3/15/2024		9:40		1							
7 Sidewall 13 0-18"				Comp		SS		NA		3/15/2024		9:45		1							
8 Sidewall 14 0-18"				Comp		SS		NA		3/15/2024		9:50		1							
9 Sidewall 15 0-18"				Comp		SS		NA		3/15/2024		9:55		1							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other				Remarks: Please email results to ashton.thielke@coterra.com Please email results to Laci.luig@coterra.com <u>*Customer requested Depth changes.</u> 4.6/24				pH _____ Temp _____				Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: <input type="checkbox"/> NP <input type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input type="checkbox"/> N					
Relinquished by: (Signature) <u>[Signature]</u>				Date: <u>3/19/24</u>		Time: <u>11:18</u>		Received by: (Signature) <u>[Signature]</u>				Trip Blank Received: Yes / No <input checked="" type="checkbox"/> HCL / MeOH				If preservation required by Login: Date/Time					
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				Temp: <u>4.2</u> °C Bottles Received: <u>#140</u>									
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature) <u>[Signature]</u>				Date: <u>3-19-24</u> Time: <u>1122</u>				Hold: Condition: NCF / OK					



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

June 07, 2024

BRANDON WILSON

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: EAST LUSK 15 FEDERAL COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 14:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 1 18" (H241388-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/19/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	38.2	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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



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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 2 18" (H241388-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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



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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 3 18" (H241388-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	03/19/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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



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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 4 18" (H241388-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/18/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 5 18" (H241388-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/19/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	200	99.9	200	0.0240	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	200	99.8	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 6 18" (H241388-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	0.080	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	0.265	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	0.345	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/19/2024	ND	400	100	400	7.69		

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*	12.1	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	436	10.0	03/19/2024	ND	196	97.9	200	3.77	QM-07
EXT DRO >C28-C36	77.8	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 7 18" (H241388-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	16.4	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 8 18" (H241388-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/19/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	178	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	27.5	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 9 18" (H241388-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 10 18" (H241388-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8	
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/19/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 11 18" (H241388-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	25.7	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 12 18" (H241388-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 13 18" (H241388-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 14 18" (H241388-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	79.9	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 15 18" (H241388-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.03	101	2.00	10.8		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	6.74		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.04	102	2.00	4.81		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.11	102	6.00	3.45		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	130	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	13.5	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 16 18" (H241388-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60		
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

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

Received:	03/18/2024	Sampling Date:	03/15/2024
Reported:	06/07/2024	Sampling Type:	Soil
Project Name:	EAST LUSK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	57336	Sample Received By:	Dionica Hinojos
Project Location:	COTERRA - LEA CO, NM		

Sample ID: BOTTOM HOLE 17 18" (H241388-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60		
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	22.3	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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



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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 18 18" (H241388-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60		
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/19/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 19 18" (H241388-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	122	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	14.6	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To:

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 20 18" (H241388-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	18.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 21 18" (H241388-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	03/19/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To:

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 22 18" (H241388-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/19/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 23 18" (H241388-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 24 18" (H241388-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 25 18" (H241388-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	0.099	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	0.219	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	0.586	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	0.903	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	03/19/2024	ND	448	112	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*	10.2	10.0	03/19/2024	ND	195	97.3	200	3.36	
DRO >C10-C28*	214	10.0	03/19/2024	ND	196	97.9	200	3.77	
EXT DRO >C28-C36	29.6	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 26 18" (H241388-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	0.071	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	0.229	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	0.687	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	0.987	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/19/2024	ND	448	112	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*	16.7	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	455	10.0	03/19/2024	ND	190	94.8	200	5.80	QM-07
EXT DRO >C28-C36	79.2	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 27 18" (H241388-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	0.060	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/19/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	200	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	49.3	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 28 18" (H241388-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 29 18" (H241388-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEx	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 30 18" (H241388-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	27.5	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 31 18" (H241388-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 32 18" (H241388-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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



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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 33 18" (H241388-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	0.322	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	0.235	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	0.412	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	0.969	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	03/19/2024	ND	448	112	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*	13.7	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	4440	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	1390	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BOTTOM HOLE 34 18" (H241388-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	1.23	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	2.21	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	4.35	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	7.79	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1580	16.0	03/19/2024	ND	448	112	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*	93.2	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	1900	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	495	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SIDEWALL 1 0-18" (H241388-35)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	2.24	112	2.00	3.60	
Toluene*	<0.050	0.050	03/19/2024	ND	2.19	109	2.00	3.41	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.14	107	2.00	3.84	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.23	104	6.00	3.99	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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



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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To:

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SIDEWALL 2 0-18" (H241388-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	1.99	99.6	2.00	10.6		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	10.9		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.93	96.7	2.00	10.8		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	5.89	98.2	6.00	9.55		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/19/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
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Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SIDEWALL 3 0-18" (H241388-37)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.99	99.6	2.00	10.6	
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	10.9	
Ethylbenzene*	0.061	0.050	03/19/2024	ND	1.93	96.7	2.00	10.8	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	5.89	98.2	6.00	9.55	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/19/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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



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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To:

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SIDEWALL 4 0-18" (H241388-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	1.99	99.6	2.00	10.6		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	10.9		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.93	96.7	2.00	10.8		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	5.89	98.2	6.00	9.55		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/19/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SIDEWALL 5 0-18" (H241388-39)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2024	ND	1.99	99.6	2.00	10.6	
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	10.9	
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.93	96.7	2.00	10.8	
Total Xylenes*	<0.150	0.150	03/19/2024	ND	5.89	98.2	6.00	9.55	
Total BTEX	<0.300	0.300	03/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/19/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Analytical Results For:

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

Received: 03/18/2024
 Reported: 06/07/2024
 Project Name: EAST LUSK 15 FEDERAL COM 2H
 Project Number: 57336
 Project Location: COTERRA - LEA CO, NM

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SIDEWALL 6 0-18" (H241388-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2024	ND	1.99	99.6	2.00	10.6		
Toluene*	<0.050	0.050	03/19/2024	ND	1.98	99.2	2.00	10.9		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	1.93	96.7	2.00	10.8		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	5.89	98.2	6.00	9.55		
Total BTEX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/19/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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



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-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

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

Etech Environmental and Safety Solutions, Inc				Billing Information: Cotera Energy Accounts Payable 6001 Deauville Blvd Midland, TX 79706				Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 1 of 1			
Report to: Brandon Wilson				Email To: brandon@etechenv.com																		
Project Description: East Lusk 15 Fed. Com 2H				City/State Collected: Lea County																		
Phone:		Etech Project # 19940		Lab Project #														SDG #				
Fax:				H241388														Table #				
Collected by (print): Chadinh		Cameron		Cost Center #		P.O. #												Acctnum:				
Collected by (signature):		Rush? (Lab MUST Be Notified)		Case # 57336														Template:				
Immediately Packed on Ice <input checked="" type="checkbox"/> N <input type="checkbox"/> Y		Next Day <input checked="" type="checkbox"/> 5 Day (Rad Only) Two Day <input type="checkbox"/> 10 Day (Rad Only) Three Day <input type="checkbox"/>		Date Results Needed		No. of Cntrs												Prelogin:				
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time												PB:				
Bottom Hole 1		Comp.	SS	18"	3/15/2024	13:30	1	X	X	X											Shipped Via:	
Bottom Hole 2		Comp.	SS	18"	3/15/2024	13:35	1	X	X	X											Remarks	
Bottom Hole 3		Comp.	SS	18"	3/15/2024	13:40	1	X	X	X											Sample # (lab only)	
Bottom Hole 4		Comp.	SS	18"	3/15/2024	13:45	1	X	X	X											1	
Bottom Hole 5		Comp.	SS	18"	3/15/2024	13:50	1	X	X	X											2	
Bottom Hole 6		Comp.	SS	18"	3/15/2024	13:55	1	X	X	X											3	
Bottom Hole 7		Comp.	SS	18"	3/15/2024	14:00	1	X	X	X											4	
Bottom Hole 8		Comp.	SS	18"	3/15/2024	14:05	1	X	X	X											5	
Bottom Hole 9		Comp.	SS	18"	3/15/2024	14:10	1	X	X	X											6	
Bottom Hole 10		Comp.	SS	18"	3/15/2024	14:15	1	X	X	X											7	
* Matrix:																					8	
SS - Soil		AIR - Air	F - Filter																		9	
GW - Groundwater			B - Bioassay																		10	
WW - WasteWater																						
DW - Drinking Water																						
OT - Other																						
Remarks:				Please forward results to ashton.thielke@cotera.com				pH _____ Temp _____				Sample Receipt Checklist										
				Please forward results to laici.luig@cotera.com								COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
brandon@etechenv.com												COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
Samples returned via:												Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
___ UPS ___ FedEx ___ Courier ___												Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
												Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
												If Applicable										
												VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N										
												Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N										
												RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input type="checkbox"/> N										
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Flow _____ Other _____		Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Temp: _____ °C		Bottles Received: <input checked="" type="checkbox"/>		If preservation required by Login: Date/Time						
H		3-18-24		14:43		D. H. H.				HCL / MeOH		2.2		#ND		ICE 2-18-24 14:25						
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)						Date:		Time:		Hold:						
						D. H. H.						3-18-24		14:43								
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)										Condition:						
																NCF / <input checked="" type="checkbox"/> OK						

Etech Environmental and Safety Solutions, Inc				Billing Information: Cotera Energy Accounts Payable 6001 Deauville Blvd Midland, TX 79706		Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 1 of 4		
Report to: Brandon Wilson				Email To: brandon@etechenv.com															
Project Description: East Lusk 15 Fed. Com 2H				City/State Collected: Lea County															
Phone:		Etech Project # 19940		Lab Project #													SDG #		
Fax:				H241388													Table #		
Collected by (print): Chadinha		Cost Center #		P.O. # 19940													Acctnum:		
Collected by (signature):		Rush? (Lab MUST Be Notified)		Case # 57336													Template:		
Immediately Packed on Ice: <input checked="" type="checkbox"/> N <input type="checkbox"/> Y		Next Day <input checked="" type="checkbox"/> 5 Day (Rad Only) Two Day <input type="checkbox"/> 10 Day (Rad Only) Three Day <input type="checkbox"/>		Date Results Needed		No. of Cntrs											Prelogin:		
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time												PM:	
Bottom Hole 31		Comp.	SS	18"	3/15/2024	15:55	1	X	X	X						PB:			
Bottom Hole 32		Comp.	SS	18"	3/15/2024	16:00	1	X	X	X						Shipped Via:			
Bottom Hole 33		Comp.	SS	18"	3/15/2024	16:05	1	X	X	X						Remarks			
Bottom Hole 34		Comp.	SS	18"	3/15/2024	16:10	1	X	X	X						Sample # (lab only)			
Side Wall 1 0-18" *		Comp.	SS	NA	3/15/2024	16:15	1	X	X	X						31			
Side Wall 2 0-18"		Comp.	SS	NA	3/15/2024	16:20	1	X	X	X						32			
Side Wall 3 0-18"		Comp.	SS	NA	3/15/2024	16:25	1	X	X	X						33			
Side Wall 4 0-18"		Comp.	SS	NA	3/15/2024	16:30	1	X	X	X						34			
Side Wall 5 0-18"		Comp.	SS	NA	3/15/2024	16:35	1	X	X	X						35			
Side Wall 6 0-18"		Comp.	SS	NA	3/15/2024	16:40	1	X	X	X						36			
																37			
																38			
																39			
																40			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Please forward results to ashton.thielke@cotera.com Please forward results to laci.luig@cotera.com brandan@etechenv.com				pH Temp				Sample Receipt Checklist COC Seal Present/Intact: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input type="checkbox"/> N				* Customer requested Depth Changes go 6/7/24					
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Flow Other		Trip Blank Received: Yes / No		HCL / MeOH		Temp: °C		Bottles Received: 40		If preservation required by Login: Date/Time			
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)								22 #440				ICE 3-18-24 14:43			
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature)								3-18-24 14:43				Hold: Condition: NCF / OK			



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

March 14, 2024

BRANDON WILSON

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: EAST LURK 15 FEDERAL COM 2H

Enclosed are the results of analyses for samples received by the laboratory on 03/13/24 13:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .1 SURFACE (H241291-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.97	2.00	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	47.4	2.00	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	45.6	2.00	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	85.3	6.00	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTX	183	12.0	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00		

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*	3280	50.0	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	37700	50.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	7300	50.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 1050 % 48.2-134

Surrogate: 1-Chlorooctadecane 1030 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .1 12" (H241291-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318		
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	225	112	200	1.23		
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39		
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND						

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .1 24" (H241291-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318		
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	225	112	200	1.23		
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39		
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .1 34" (H241291-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	0.061	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	203	10.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	32.7	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .2 SURFACE (H241291-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.85	1.00	03/13/2024	ND	2.29	115	2.00	0.318		
Toluene*	24.4	1.00	03/13/2024	ND	2.25	113	2.00	0.0420		
Ethylbenzene*	31.8	1.00	03/13/2024	ND	2.21	111	2.00	0.131		
Total Xylenes*	62.8	3.00	03/13/2024	ND	6.46	108	6.00	0.227		
Total BTEX	121	6.00	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	03/14/2024	ND	432	108	400	0.00		

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*	2000	50.0	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	29900	50.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	6220	50.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 711 % 48.2-134

Surrogate: 1-Chlorooctadecane 864 % 49.1-148

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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .2 12" (H241291-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .2 24" (H241291-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .2 36" (H241291-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .2 48" (H241291-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318		
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2024	ND	225	112	200	1.23		
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39		
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND						

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .3 SURFACE (H241291-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.58	1.00	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	25.5	1.00	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	32.8	1.00	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	67.1	3.00	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	127	6.00	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/14/2024	ND	432	108	400	0.00		

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*	1960	50.0	03/14/2024	ND	210	105	200	2.71	
DRO >C10-C28*	34800	50.0	03/14/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	5940	50.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 185 % 48.2-134

Surrogate: 1-Chlorooctadecane 660 % 49.1-148

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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .3 12" (H241291-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .3 24" (H241291-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318		
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

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	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .3 36" (H241291-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	210	105	200	2.71	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	209	104	200	6.83	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	EAST LURK 15 FEDERAL COM 2H	Sampling Condition:	Cool & Intact
Project Number:	19940	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: TT .3 48" (H241291-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.29	115	2.00	0.318		
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/14/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	210	105	200	2.71		
DRO >C10-C28*	75.3	10.0	03/13/2024	ND	209	104	200	6.83		
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND						

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager




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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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 17 of 18

(575) 393-2326 FAX (575) 393-2476		BILL TO		ANALYSIS REQUEST									
Company Name: Etech Environmental + Safety Solutions Inc		P.O. #: 19940											
Project Manager: Brandon Wilson		Company: Etech env											
Address: 13000 W County Rd 100		Attn:											
City: Midland State: Tx Zip: 79707		Address: 13000 W county 100											
Phone #: 432 813 9515 Fax #:		City: Midland											
Project #: 19940 Project Owner:		State: Tx Zip: 79707											
Project Name: East Lusk IS Federal Conn 2H		Phone #:											
Project Location: Lea County		Fax #:											
Sampler Name: Cameron Chadinha													

FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
1 2 3 4 5 6 7 8 9 10	TT.1 Surface	G	1			✓					✓		3/8/21	9:00	TPH 8015 BTX 80213 Chlorides										
	TT.1 12"	G	1			✓					✓			9:02											
	TT.1 24"	G	1			✓					✓			9:04											
	TT.1 34"	G	1			✓					✓			9:06											
	TT.2 Surface	G	1			✓					✓			9:15											
	TT.2 12"	G	1			✓					✓			9:17											
	TT.2 24"	G	1			✓					✓			9:19											
	TT.2 36"	G	1			✓					✓			9:21											
	TT.2 48"	G	1			✓					✓			9:23											
	TT.3 Surface	G	1			✓					✓			9:30											

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Relinquished By: 		Date: 3-13-24 Time: 13:06	Received By: 		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		REMARKS:			
Delivered By: (Circle One)		Observed Temp. °C 4.102	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)	Turnaround Time: Standard Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. °C			Thermometer ID #140 Correction Factor 0°C	24 hrs		

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: E-Tech Environmental & Safety Solutions Inc Project Manager: Brandon Wilson Address: 13000 W County Rd 100 City: Midland State: TX Zip: 79701 Phone #: 432 813 9515 Fax #: Project #: 19940 Project Owner: Project Name: East Lusk 15 Federal Cam 2H Project Location: Lea County Sampler Name: Cameron Chadiaba				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST													
FOR LAB USE ONLY H2411291 Lab I.D.		Sample I.D.		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE COOL OTHER:		SAMPLING DATE TIME		TPH 8015 BTEX 80213 Chlorides									
11 TT.3 12" 12 TT.3 24" 13 TT.3 36" 14 TT.3 48"		G 1 1 1 1						3/12/24 9:32 9:34 9:36 9:38											

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 on any of the above stated reasons or otherwise.

Relinquished By: Date: 3-13-24 Time: 13:06 Relinquished By:		Received By: Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 4.10 Corrected Temp. °C		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Thermometer ID #140 Correction Factor 0°C 24hr	

FORM-006 R 3.4 07/11/23

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APPENDIX F

Correspondence & Notifications

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District II
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District IV
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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

QUESTIONS

Action 322747

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 322747
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406276831
Incident Name	NAPP2406276831 EAST LUSK 15 FEDERAL COM 2 @ 30-025-40557
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-40557] EAST LUSK 15 FEDERAL COM #002

Location of Release Source	
Site Name	East Lusk 15 Federal Com 2
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,200
What is the estimated number of samples that will be gathered	45
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/15/2024
Time sampling will commence	02:00 PM
Please provide any information necessary for observers to contact samplers	Brandon Wilson - E-tech - 432-813-9515
Please provide any information necessary for navigation to sampling site	32.659586,-103.746568

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Santa Fe, NM 87505

CONDITIONS

Action 322747

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 322747
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lluig	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/12/2024

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QUESTIONS

Action 325732

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 325732
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406276831
Incident Name	NAPP2406276831 EAST LUSK 15 FEDERAL COM 2 @ 30-025-40557
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-40557] EAST LUSK 15 FEDERAL COM #002

Location of Release Source	
Site Name	East Lusk 15 Federal Com 2
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,200
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/27/2024
Time sampling will commence	02:30 PM
Please provide any information necessary for observers to contact samplers	Brandon Wilson - E-tech - 432-813-9515 Recollection of confirmation samples after further excavation.
Please provide any information necessary for navigation to sampling site	32.659586,-103.746568

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CONDITIONS

Action 325732

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 325732
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
lluig	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/21/2024

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Santa Fe, NM 87505

QUESTIONS

Action 353268

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 353268
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406276831
Incident Name	NAPP2406276831 EAST LUSK 15 FEDERAL COM 2 @ 30-025-40557
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-40557] EAST LUSK 15 FEDERAL COM #002

Location of Release Source	
Please answer all the questions in this group.	
Site Name	East Lusk 15 Federal Com 2
Date Release Discovered	03/02/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 14 BBL Recovered: 10 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 15 BBL Recovered: 10 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The Baird back pressure valve became plugged off with debris. The pumping unit did shut down but the tubing pressure gauge failed, allowing a total of 29 barrels of fluids to release onto the well pad. A vac truck recovered a total of 20 barrels of fluid. The site will be assessed and remediation will take place in the coming weeks. Released: 29 barrels of fluid (14 barrels oil + 15 barrels water) Recovered: 20 barrels of fluid

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QUESTIONS, Page 2

Action 353268

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID:	162683
	Action Number:	353268
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 06/12/2024
--	---

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QUESTIONS, Page 3

Action 353268

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID:	162683
	Action Number:	353268
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1710
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	48300
GRO+DRO (EPA SW-846 Method 8015M)	41000
BTEX (EPA SW-846 Method 8021B or 8260B)	183
Benzene (EPA SW-846 Method 8021B or 8260B)	4.9

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/15/2024
On what date will (or did) the final sampling or liner inspection occur	03/15/2024
On what date will (or was) the remediation complete(d)	03/27/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	6650
What is the estimated volume (in cubic yards) that will be remediated	522

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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QUESTIONS, Page 4

Action 353268

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 353268
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 06/12/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 353268

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 353268
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 353268

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID:	162683
	Action Number:	353268
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	325732
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/27/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	8200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6650
What was the total volume (cubic yards) remediated	522
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Drilled a Groundwater determination bore to 105'. Remediated the well pad per standards set for GW >100'. Replaced with clean backfill material (see lab tested backfill).

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 06/12/2024
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QUESTIONS, Page 7

Action 353268

QUESTIONS (continued)

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	Action Number: 353268
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 353268

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 353268
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/7/2024