



Environmental & Safety Solutions, Inc. 2617 W Marland Blvd | Hobbs, NM 88240 | Phone 575.964.2881

October 9, 2024

Attn. Katherine Purvis

Spur Energy Partners, LLC
9655 Katy Freeway, Suite 500
Houston, Texas 77024

**RE: Reclamation Summary
Spur Energy Partners, LLC
Bone Yard 11 Fee 016H
UL/B, S1 T20S R25E
32.606454, -104.438028
nAPP2317146882**

Ms. Purvis:

Etech Environmental & Safety Solutions (Etech), on behalf of Spur Energy Partners, LLC (Spur), has prepared this *Reclamation Summary* for the release site of the Bone Yard 11 Fee 016H (Bone Yard). The site is located approximately sixteen (16) miles south of Artesia, NM in Unit Letter B, Section 2, Township 20 South, Range 25 East. The GPS coordinates of the Site are 32.606454, -104.438028. A "Site Location Map" is provided as Attachment #1.

On June 20, 2023, a release of produced water was discovered. The impacted area was approximately ten-thousand, nine-hundred square feet (10,900 ft²). An estimated two-thousand, four-hundred cubic yards (2,400 cy) of impacted soil was taken to a permitted waste disposal facility. The remediation was performed to the New Mexico Oil Conservation Division (NMOCD) Reclamation Standards. The *Closure Request* (nAPP2317146882) was approved on May 16, 2024.

On October 2, 2024, the site was seeded with BLM #3 seed mix. The mixture of seed was certified to be free from noxious and invasive species. The area was contoured to its natural landscape and water erosion controls were installed.

All trash and debris, including pin flags and the former lease sign, were disposed of.

A "Soil Chemistry Table" along with a "Site Diagram" is provided as Attachment #2.

Areas affected by reclamation activities were contoured to match the surrounding topography and were re-seeded using BLM #3 seed mix. A photo log is included as "Attachment #3."

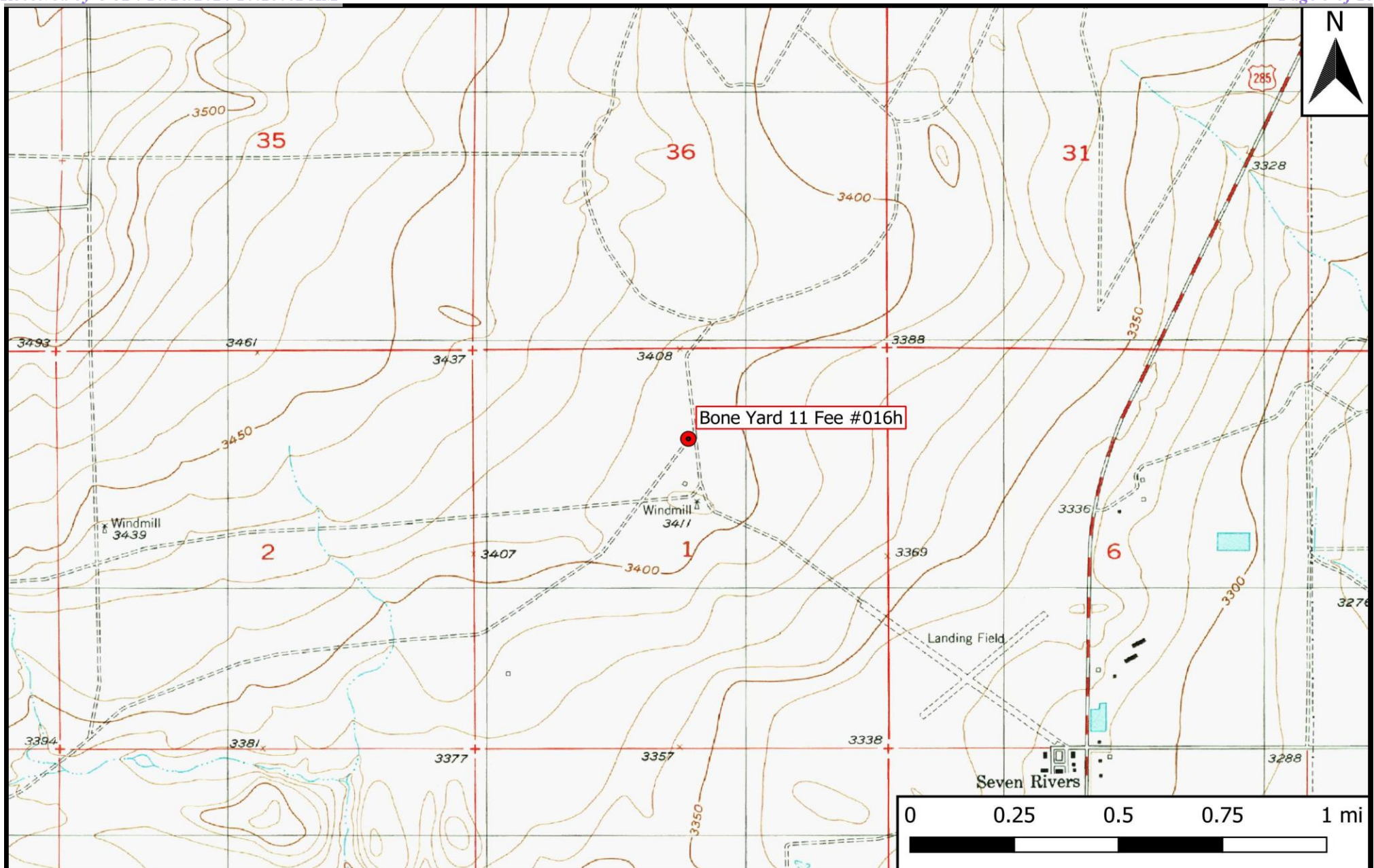
Please contact me if you have any questions or wish to discuss the site.

Sincerely,



Robbie Runnels
Project Manager
Etech Environmental & Safety Solutions
(432) 282-9143

Attached: Attachment #1 – Site Location Map
 Attachment #2 – Site Diagram
 Attachment #3 – Soil Chemistry Table
 Attachment #4 – Photographic Documentation
 Attachment #5 – Analytical Reports



Legend

- Site Location

Figure 1

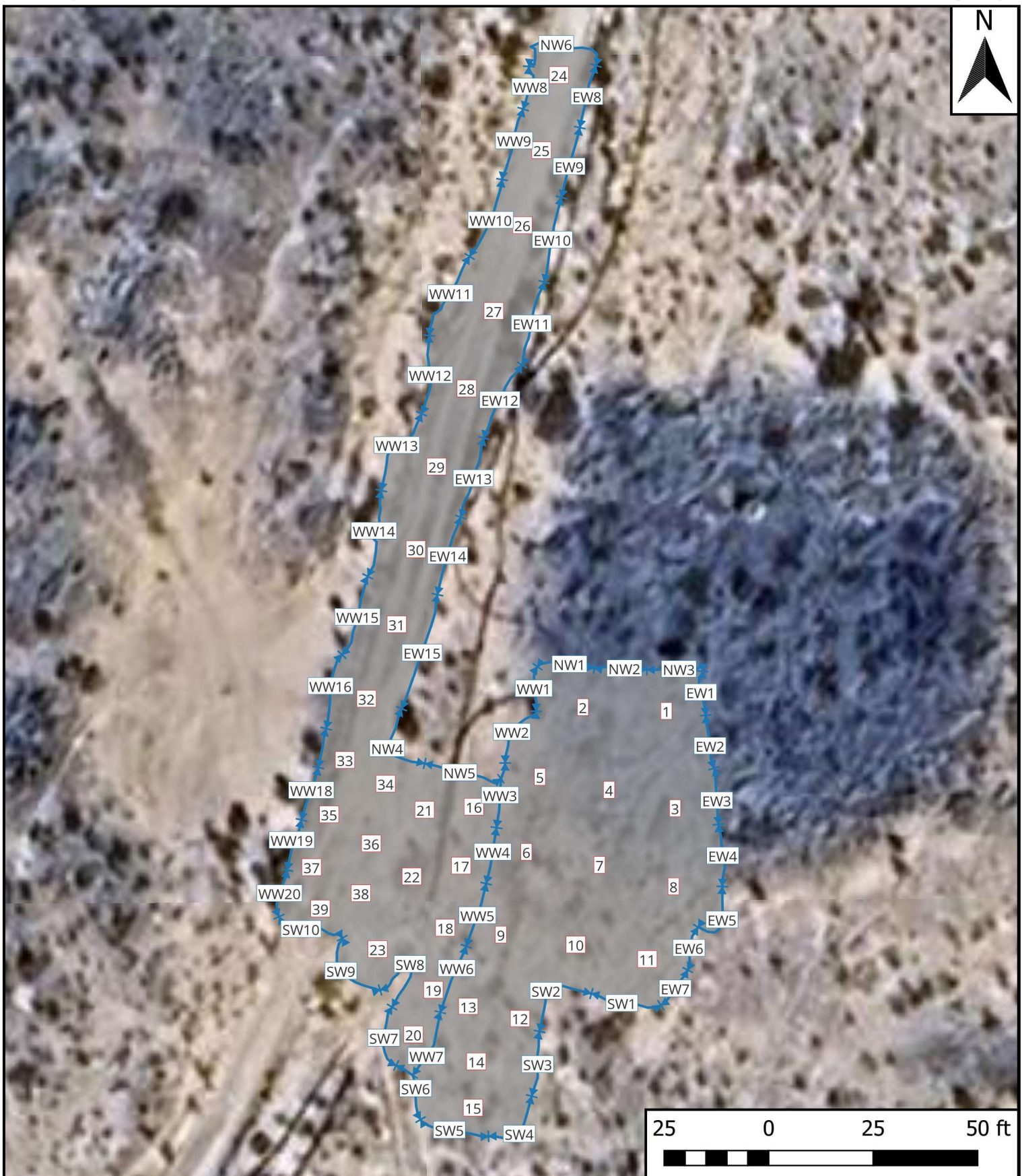
Topographic Map
 Spur Energy Partners, LLC
 Bone Yard 11 Fee #016h
 GPS: 32.606454, -104.438028
 Eddy County

ETECH
 Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl

Date: 7/11/23



Legend

- Floor Sample
- <==> Wall Sample
- Excavated Area

Site Diagram

Site and Sample Location Map
 Spur Energy Partners, LLC
 Bone Yard 11 Fee #016H
 GPS: 32.606454, -104.438028
 Eddy County



Drafted: mag

Checked: rr

Date: 10/9/24

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Spur Energy Partners, LLC
Bone Yard 11 Fee #016h
NMOCD Ref. #: nAPP2317146882

NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Soil Samples											
V 1 @ 0'	6/30/2023	0	Excavated	<0.050	<0.300	<10.0	1,600	1,600	487	2,090	6,480
V 1 @ 6'	6/30/2023	6	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
V 2 @ 0'	6/30/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,520
V 2 @ 2'	6/30/2023	2	Excavated	<0.050	<0.300	<10.0	22.4	22.4	<10.0	22.4	544
Excavation Confirmation Soil Samples - Floors											
FL - 1 @ 6'	3/13/2024	6	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL - 1 @ 7'	3/20/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL - 2 @ 6'	3/13/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL - 3 @ 9'	3/15/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL - 4 @ 9'	3/15/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL - 5 @ 8'	3/14/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL - 6 @ 10'	3/15/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 7 @ 10'	3/15/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL - 8 @ 10'	3/15/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL - 9 @ 10'	3/15/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL - 10 @ 11'	3/18/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL - 11 @ 11'	3/18/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL - 12 @ 6'	3/18/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL - 13 @ 4'	3/20/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL - 14 @ 11'	3/26/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL - 15 @ 9'	3/20/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL - 16 @ 2'	3/20/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL - 17 @ 4'	3/20/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL - 18 @ 10'	3/20/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL - 19 @ 10'	3/22/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL - 20 @ 8'	3/22/2024	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL - 21 @ 2.5'	3/22/2024	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL - 22 @ 3'	3/22/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 23 @ 11'	3/22/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL - 24 @ 2'	3/25/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL - 25 @ 3'	3/25/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL - 26 @ 2'	3/25/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL - 27 @ 4'	3/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL - 28 @ 6'	3/25/2024	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 29 @ 2'	3/25/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	896
FL - 29 @ 4'	3/28/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL - 30 @ 4'	3/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL - 31 @ 5'	3/26/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL - 32 @ 5'	3/26/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL - 33 @ 5'	3/26/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
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				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL - 34 @ 2'	3/26/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL - 35 @ 4'	3/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL - 36 @ 4'	3/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL - 37 @ 4'	3/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL - 38 @ 4'	3/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 39 @ 5'	3/26/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
Excavation Confirmation Soil Samples - Walls											
EW - 1	3/14/2024	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
EW - 2	3/26/2024	0-9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW - 3	3/26/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW - 4	3/26/2024	0-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW - 5	3/26/2024	0-11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW - 6	3/26/2024	0-11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW - 7	3/26/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
EW - 8	3/26/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
EW - 9	3/26/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
EW - 10	3/26/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EW - 11	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
EW - 12	3/26/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
EW - 13	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EW - 14	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
EW - 15	3/26/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
NW - 1	3/14/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
NW - 2	3/26/2024	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
NW - 3	3/26/2024	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW - 4	3/26/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
NW - 5	3/28/2024	0-2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW - 6	3/26/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW - 1	3/26/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW - 2	3/26/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW - 3	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW - 4	3/26/2024	0-9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW - 5	3/28/2024	0-9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW - 6	3/26/2024	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW - 7	3/26/2024	0-11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW - 8	3/26/2024	0-11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW - 9	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW - 10	3/26/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW - 1	3/13/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW - 2	3/26/2024	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW - 3	3/26/2024	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

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Concentrations of BTEX, TPH, and Chloride in Soil
Spur Energy Partners, LLC
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Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
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WW - 4	3/26/2024	2-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
WW - 5	3/26/2024	4-10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
WW - 6	3/26/2024	4-11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW - 7	3/26/2024	8-11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW - 8	3/26/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW - 9	3/26/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
WW - 10	3/26/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
WW - 11	3/28/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
WW - 12	3/26/2024	0-6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
WW - 13	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
WW - 14	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW - 15	3/26/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW - 16	3/26/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WW - 17	3/26/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW - 18	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW - 19	3/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW - 20	3/26/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

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

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Bamert Seed Company Inc.

1897 CR 1018 Muleshoe, TX 79347

(800) 262-9892

Permit # TX00905

Boneyard BLM #3 Broadcast rate**Lot/Sales # SO-83027**

Kind & Variety	Pure Seed	Germ	Dormant	Hard Seed	Origin
Bristlegrass Plains, (Setaria vulpiseta)	11.47%	42.00%	51.00%	0.00%	OK
Gramma, Sideoats "Vaughn" (Bouteloua curtipendula)	57.99%	87.00%	5.00%	0.00%	TX
Green Sprangletop, "Van Horn" (Leptochloa dubia)	21.55%	97.00%	2.00%	0.00%	TX

Purity 91.01%

Inert Matter: 8.97%

Other Crop Seed: 0.01%

Weed Seed: 0.00%

Noxious Weed Seed Per/Lb: None

Test Date: 07/2024

Net Wt: 23.5 lbs



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

July 05, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD II FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 06/30/23 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: BONE YARD II FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V 1 @ 0' (H233395-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/03/2023	ND	2.05	103	2.00	4.13		
Toluene*	<0.050	0.050	07/03/2023	ND	2.01	100	2.00	3.49		
Ethylbenzene*	<0.050	0.050	07/03/2023	ND	1.95	97.5	2.00	3.87		
Total Xylenes*	<0.150	0.150	07/03/2023	ND	5.87	97.8	6.00	3.90		
Total BTEX	<0.300	0.300	07/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	6480	16.0	07/03/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	1600	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	487	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: BONE YARD II FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V 1 @ 6' (H233395-02)

BTX 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	07/04/2023	ND	2.10	105	2.00	2.41	
Toluene*	<0.050	0.050	07/04/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.18	109	2.00	2.39	
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.57	110	6.00	1.82	
Total BTX	<0.300	0.300	07/04/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/03/2023	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	07/04/2023	ND	196	97.8	200	7.20	
DRO >C10-C28*	<10.0	10.0	07/04/2023	ND	196	97.8	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	07/04/2023	ND					

Surrogate: 1-Chlorooctane 105 % 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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: BONE YARD II FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V 2 @ 0' (H233395-03)

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	07/04/2023	ND	2.10	105	2.00	2.41	
Toluene*	<0.050	0.050	07/04/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.18	109	2.00	2.39	
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.57	110	6.00	1.82	
Total BTEX	<0.300	0.300	07/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	7520	16.0	07/03/2023	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	07/03/2023	ND	160	79.8	200	6.36	
DRO >C10-C28*	<10.0	10.0	07/03/2023	ND	159	79.5	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/03/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 06/30/2023
 Reported: 07/05/2023
 Project Name: BONE YARD II FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V 2 @ 2' (H233395-04)

BTX 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	07/04/2023	ND	2.10	105	2.00	2.41	
Toluene*	<0.050	0.050	07/04/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.18	109	2.00	2.39	
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.57	110	6.00	1.82	
Total BTX	<0.300	0.300	07/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	07/03/2023	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	07/03/2023	ND	160	79.8	200	6.36	
DRO >C10-C28*	22.4	10.0	07/03/2023	ND	159	79.5	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	07/03/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 19, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/14/24 15:05.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/14/2024
 Reported: 03/19/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 1 @ 6' (H241336-01)

BTX 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	03/15/2024	ND	2.28	114	2.00	0.634	
Toluene*	<0.050	0.050	03/15/2024	ND	2.23	112	2.00	0.509	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.21	110	2.00	0.796	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.44	107	6.00	0.916	
Total BTX	<0.300	0.300	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	608	16.0	03/18/2024	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	03/15/2024	ND	201	100	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	208	104	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/14/2024
 Reported: 03/19/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 2 @ 6' (H241336-02)

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	03/15/2024	ND	2.28	114	2.00	0.634		
Toluene*	<0.050	0.050	03/15/2024	ND	2.23	112	2.00	0.509		
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.21	110	2.00	0.796		
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.44	107	6.00	0.916		
Total BTEX	<0.300	0.300	03/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	464	16.0	03/18/2024	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	03/15/2024	ND	201	100	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	208	104	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.0 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/14/2024
 Reported: 03/19/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WW - 1 (H241336-03)

BTX 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	03/15/2024	ND	2.28	114	2.00	0.634		
Toluene*	<0.050	0.050	03/15/2024	ND	2.23	112	2.00	0.509		
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.21	110	2.00	0.796		
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.44	107	6.00	0.916		
Total BTX	<0.300	0.300	03/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-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	03/18/2024	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	03/15/2024	ND	201	100	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	208	104	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.3 % 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



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 21, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/15/24 15:00.

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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 5 @ 8' (H241366-01)

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	1.96	97.8	2.00	3.75		
Toluene*	<0.050	0.050	03/18/2024	ND	1.92	95.8	2.00	5.74		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.89	94.7	2.00	5.55		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.63	93.9	6.00	5.58		
Total BTEx	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	03/18/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: EW - 1 (H241366-02)

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	1.96	97.8	2.00	3.75		
Toluene*	<0.050	0.050	03/18/2024	ND	1.92	95.8	2.00	5.74		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.89	94.7	2.00	5.55		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.63	93.9	6.00	5.58		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	464	16.0	03/18/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.6 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/14/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: NW - 1 (H241366-03)

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	1.96	97.8	2.00	3.75		
Toluene*	<0.050	0.050	03/18/2024	ND	1.92	95.8	2.00	5.74		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	1.89	94.7	2.00	5.55		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	5.63	93.9	6.00	5.58		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	464	16.0	03/18/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 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

- 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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 22, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 14:45.

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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

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

Sample ID: FL - 3 @ 9' (H241390-01)

BTX 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	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	03/19/2024	ND	2.11	106	2.00	1.60		
Ethylbenzene*	<0.050	0.050	03/19/2024	ND	2.15	107	2.00	0.908		
Total Xylenes*	<0.150	0.150	03/19/2024	ND	6.40	107	6.00	0.807		
Total BTX	<0.300	0.300	03/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	320	16.0	03/20/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 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

Analytical Results For:

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

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

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

Sample ID: FL - 4 @ 9' (H241390-02)

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	03/20/2024	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	03/20/2024	ND	2.11	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.15	107	2.00	0.908	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.40	107	6.00	0.807	
Total BTEX	<0.300	0.300	03/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	03/20/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

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

Sample ID: FL - 6 @ 10' (H241390-03)

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	03/20/2024	ND	2.18	109	2.00	1.81	
Toluene*	<0.050	0.050	03/20/2024	ND	2.11	106	2.00	1.60	
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.15	107	2.00	0.908	
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.40	107	6.00	0.807	
Total BTEX	<0.300	0.300	03/20/2024	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	32.0	16.0	03/20/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

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

Sample ID: FL - 7 @ 10' (H241390-04)

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	03/20/2024	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	03/20/2024	ND	2.11	106	2.00	1.60		
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.15	107	2.00	0.908		
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.40	107	6.00	0.807		
Total BTEX	<0.300	0.300	03/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	288	16.0	03/20/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

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

Sample ID: FL - 8 @ 10' (H241390-05)

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	03/20/2024	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	03/20/2024	ND	2.11	106	2.00	1.60		
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.15	107	2.00	0.908		
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.40	107	6.00	0.807		
Total BTEX	<0.300	0.300	03/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	448	16.0	03/20/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/18/2024
 Reported: 03/22/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

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

Sample ID: FL - 9 @ 10' (H241390-06)

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	03/20/2024	ND	2.18	109	2.00	1.81		
Toluene*	<0.050	0.050	03/20/2024	ND	2.11	106	2.00	1.60		
Ethylbenzene*	<0.050	0.050	03/20/2024	ND	2.15	107	2.00	0.908		
Total Xylenes*	<0.150	0.150	03/20/2024	ND	6.40	107	6.00	0.807		
Total BTEX	<0.300	0.300	03/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	03/20/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	0.762	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	206	103	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 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



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Robbie Runnels

Address: 2617 W Marland

City: Hobbs

Phone #: (575) 264-9884

Project #: 18359

Project Name: Bone Yard 11 Fee #016h

Project Location: 32.606454, -104.438028

Sampler Name: Tania Felts

BILL TO

P.O. #:

Company: Spur Energy Partners

Attn: Kathy Purvis

Address:

City:

State: NM Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D. H241390

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chloride

TPH (8015M)

BTEX (8021B)

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Relinquished By:

Date: 3-18-24

Received By:

Date: 3-18-24

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

Relinquished By:

Date: 3-18-24

Received By:

Date: 3-18-24

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

Relinquished By:

Date: 3-18-24

Received By:

Date: 3-18-24

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Date: 3-18-24

Received By:

Date: 3-18-24

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

REMARKS:

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

Date: 3-18-24

Received By:

Date: 3-18-24

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

REMARKS:

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

FORM-006
Revision 1.0

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



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

March 25, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/21/24 14:35.

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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/21/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 1 @ 7' (H241494-01)

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	03/22/2024	ND	2.11	105	2.00	1.16	
Toluene*	<0.050	0.050	03/22/2024	ND	2.07	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.03	101	2.00	1.18	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.91	98.5	6.00	1.05	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	160	16.0	03/22/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/21/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 13 @ 4' (H241494-02)

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	03/22/2024	ND	2.11	105	2.00	1.16		
Toluene*	<0.050	0.050	03/22/2024	ND	2.07	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.03	101	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.91	98.5	6.00	1.05		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	384	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/21/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 15 @ 9' (H241494-03)

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	03/22/2024	ND	2.11	105	2.00	1.16	
Toluene*	<0.050	0.050	03/22/2024	ND	2.07	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.03	101	2.00	1.18	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.91	98.5	6.00	1.05	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 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	256	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/21/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 16 @ 2' (H241494-04)

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	03/22/2024	ND	2.11	105	2.00	1.16	
Toluene*	<0.050	0.050	03/22/2024	ND	2.07	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.03	101	2.00	1.18	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.91	98.5	6.00	1.05	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 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	160	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/21/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 17 @ 4' (H241494-05)

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	03/22/2024	ND	2.11	105	2.00	1.16	
Toluene*	<0.050	0.050	03/22/2024	ND	2.07	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.03	101	2.00	1.18	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.91	98.5	6.00	1.05	
Total BTEX	<0.300	0.300	03/22/2024	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	400	16.0	03/22/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/21/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/20/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 18 @ 10' (H241494-06)

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	03/22/2024	ND	2.11	105	2.00	1.16		
Toluene*	<0.050	0.050	03/22/2024	ND	2.07	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.03	101	2.00	1.18		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.91	98.5	6.00	1.05		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	320	16.0	03/22/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	208	104	200	4.03	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	210	105	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Caley D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

P.O. #:

Company: Spur Energy Partners

Attn: Kathy Purvis

Address:

City:

State: NM Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Chloride

TPH (8015M)

BTEX (8021B)

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Robbie Runnels
Address: 2617 W Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 18359 Project Owner: Spur Energy Partners
Project Name: Bone Yard 11 Fee #016h
Project Location: 32.606454, -104.438028
Sampler Name: Tania Felts

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												
FL-1 @ 7'		C 1		X						3/20/24		X	X	X							
FL-13 @ 4'		C 1		X						3/20/24		X	X	X							
FL-15 @ 9'		C 1		X						3/20/24		X	X	X							
FL-16 @ 2'		C 1		X						3/20/24		X	X	X							
FL-17 @ 4'		C 1		X						3/20/24		X	X	X							
FL-18 @ 10'		C 1		X						3/20/24		X	X	X							

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Relinquished By: Date: Received By: Date:

Relinquished By: Date: Received By: Date:

Delivered By: (Circle One) Sample Condition: Cool Intact Yes No

Sampler - UPS - Bus - Other: CHECKED BY: (Initials)

FORM-006 Revision 1.0

RUSH SAMPLES

Please email results and copy of CoC to pm@etechenr.com.

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



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

March 25, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/19/24 14:46.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 10 @ 11' (H241432-01)

BTX 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	03/22/2024	ND	2.00	99.9	2.00	7.37	
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03	
Total BTX	<0.300	0.300	03/22/2024	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	16.0	16.0	03/22/2024	ND	448	112	400	3.51		

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	03/21/2024	ND	250	125	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	242	121	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 11 @ 11' (H241432-02)

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	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	03/22/2024	ND	448	112	400	3.51		

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	03/21/2024	ND	250	125	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	242	121	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/19/2024
 Reported: 03/25/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 12 @ 6' (H241432-03)

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	03/22/2024	ND	2.00	99.9	2.00	7.37		
Toluene*	<0.050	0.050	03/22/2024	ND	1.99	99.7	2.00	7.63		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.95	97.4	2.00	7.90		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.94	98.9	6.00	7.03		
Total BTEX	<0.300	0.300	03/22/2024	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	224	16.0	03/22/2024	ND	448	112	400	3.51		

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	03/21/2024	ND	250	125	200	10.7	
DRO >C10-C28*	<10.0	10.0	03/21/2024	ND	242	121	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	03/21/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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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*=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



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 26, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/25/24 14:40.

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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/25/2024
 Reported: 03/26/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 19 @ 10' (H241546-01)

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	03/25/2024	ND	1.91	95.6	2.00	0.0622	
Toluene*	<0.050	0.050	03/25/2024	ND	2.04	102	2.00	0.389	
Ethylbenzene*	<0.050	0.050	03/25/2024	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	03/25/2024	ND	6.14	102	6.00	0.594	
Total BTEX	<0.300	0.300	03/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	384	16.0	03/26/2024	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	03/25/2024	ND	201	101	200	0.785	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	213	107	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/25/2024
 Reported: 03/26/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 20 @ 8' (H241546-02)

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	03/25/2024	ND	1.91	95.6	2.00	0.0622		
Toluene*	<0.050	0.050	03/25/2024	ND	2.04	102	2.00	0.389		
Ethylbenzene*	<0.050	0.050	03/25/2024	ND	2.03	101	2.00	0.512		
Total Xylenes*	<0.150	0.150	03/25/2024	ND	6.14	102	6.00	0.594		
Total BTEx	<0.300	0.300	03/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	192	16.0	03/26/2024	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	03/25/2024	ND	201	101	200	0.785	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	213	107	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/25/2024
 Reported: 03/26/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 21 @ 2.5' (H241546-03)

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	03/25/2024	ND	1.91	95.6	2.00	0.0622	
Toluene*	<0.050	0.050	03/25/2024	ND	2.04	102	2.00	0.389	
Ethylbenzene*	<0.050	0.050	03/25/2024	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	03/25/2024	ND	6.14	102	6.00	0.594	
Total BTEX	<0.300	0.300	03/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	03/26/2024	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	03/25/2024	ND	201	101	200	0.785	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	213	107	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To:

Received: 03/25/2024
 Reported: 03/26/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 22 @ 3' (H241546-04)

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	03/25/2024	ND	1.91	95.6	2.00	0.0622	
Toluene*	<0.050	0.050	03/25/2024	ND	2.04	102	2.00	0.389	
Ethylbenzene*	<0.050	0.050	03/25/2024	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	03/25/2024	ND	6.14	102	6.00	0.594	
Total BTEX	<0.300	0.300	03/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/26/2024	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	03/25/2024	ND	201	101	200	0.785	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	213	107	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 HOBBS NM, 88240
 Fax To:

Received: 03/25/2024
 Reported: 03/26/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 23 @ 11' (H241546-05)

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	03/25/2024	ND	1.91	95.6	2.00	0.0622	
Toluene*	<0.050	0.050	03/25/2024	ND	2.04	102	2.00	0.389	
Ethylbenzene*	<0.050	0.050	03/25/2024	ND	2.03	101	2.00	0.512	
Total Xylenes*	<0.150	0.150	03/25/2024	ND	6.14	102	6.00	0.594	
Total BTEX	<0.300	0.300	03/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/26/2024	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	03/25/2024	ND	201	101	200	0.785	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	213	107	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 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



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 27, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/26/24 14:48.

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, 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/26/2024
 Reported: 03/27/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 24 @ 2' (H241573-01)

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	03/26/2024	ND	2.24	112	2.00	0.883		
Toluene*	<0.050	0.050	03/26/2024	ND	2.19	109	2.00	0.961		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.14	107	2.00	1.01		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.23	104	6.00	1.07		
Total BTEX	<0.300	0.300	03/26/2024	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	240	16.0	03/27/2024	ND	432	108	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	03/26/2024	ND	195	97.7	200	0.00615	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	204	102	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/26/2024
 Reported: 03/27/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 25 @ 3' (H241573-02)

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	03/26/2024	ND	2.24	112	2.00	0.883		
Toluene*	<0.050	0.050	03/26/2024	ND	2.19	109	2.00	0.961		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.14	107	2.00	1.01		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.23	104	6.00	1.07		
Total BTEX	<0.300	0.300	03/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 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	03/27/2024	ND	432	108	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	03/26/2024	ND	195	97.7	200	0.00615	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	204	102	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/26/2024
 Reported: 03/27/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 26 @ 2' (H241573-03)

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	03/26/2024	ND	2.24	112	2.00	0.883		
Toluene*	<0.050	0.050	03/26/2024	ND	2.19	109	2.00	0.961		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.14	107	2.00	1.01		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.23	104	6.00	1.07		
Total BTEx	<0.300	0.300	03/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/27/2024	ND	432	108	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	03/26/2024	ND	195	97.7	200	0.00615	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	204	102	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Received: 03/26/2024
 Reported: 03/27/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 27 @ 4' (H241573-04)

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	03/26/2024	ND	2.24	112	2.00	0.883		
Toluene*	<0.050	0.050	03/26/2024	ND	2.19	109	2.00	0.961		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.14	107	2.00	1.01		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.23	104	6.00	1.07		
Total BTEX	<0.300	0.300	03/26/2024	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	96.0	16.0	03/27/2024	ND	432	108	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	03/26/2024	ND	195	97.7	200	0.00615	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	204	102	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To:

Received: 03/26/2024
 Reported: 03/27/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 28 @ 6' (H241573-05)

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	03/26/2024	ND	2.24	112	2.00	0.883		
Toluene*	<0.050	0.050	03/26/2024	ND	2.19	109	2.00	0.961		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.14	107	2.00	1.01		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.23	104	6.00	1.07		
Total BTEX	<0.300	0.300	03/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 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	03/27/2024	ND	432	108	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	03/26/2024	ND	195	97.7	200	0.00615	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	204	102	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/26/2024
 Reported: 03/27/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 29 @ 2' (H241573-06)

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	03/26/2024	ND	2.24	112	2.00	0.883		
Toluene*	<0.050	0.050	03/26/2024	ND	2.19	109	2.00	0.961		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.14	107	2.00	1.01		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.23	104	6.00	1.07		
Total BTEx	<0.300	0.300	03/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	03/27/2024	ND	432	108	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	03/26/2024	ND	195	97.7	200	0.00615	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	204	102	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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



ARDINAL LABORATORIES
101 East Main Street
St. Louis, MO 63102
(314) 436-1100

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 28, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 03/27/24 10:10.

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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 14 @ 11' (H241588-01)

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	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	160	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 30 @ 4' (H241588-02)

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	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	336	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 31 @ 5' (H241588-03)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEx	<0.300	0.300	03/27/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/27/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 32 @ 5' (H241588-04)

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	03/27/2024	ND	1.99	99.5	2.00	4.38		
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37		
Total BTEx	<0.300	0.300	03/27/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 33 @ 5' (H241588-05)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	03/27/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 34 @ 2' (H241588-06)

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	03/27/2024	ND	1.99	99.5	2.00	4.38		
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37		
Total BTEx	<0.300	0.300	03/27/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/27/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 35 @ 4' (H241588-07)

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	03/27/2024	ND	1.99	99.5	2.00	4.38		
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37		
Total BTEx	<0.300	0.300	03/27/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 36 @ 4' (H241588-08)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	176	16.0	03/27/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 37 @ 4' (H241588-09)

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	03/27/2024	ND	1.99	99.5	2.00	4.38		
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37		
Total BTEx	<0.300	0.300	03/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/27/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 38 @ 4' (H241588-10)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	64.0	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 39 @ 5' (H241588-11)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	80.0	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW - 2 (H241588-12)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	128	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW - 3 (H241588-13)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEx	<0.300	0.300	03/27/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/27/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW - 4 (H241588-14)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	176	16.0	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW - 6 (H241588-15)

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	03/27/2024	ND	1.99	99.5	2.00	4.38	
Toluene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.54	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.07	103	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.23	104	6.00	3.37	
Total BTEX	<0.300	0.300	03/27/2024	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	128	16.0	03/27/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 2 (H241588-16)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/27/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 3 (H241588-17)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 4 (H241588-18)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 5 (H241588-19)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 6 (H241588-20)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEx	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	202	101	200	4.93	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	205	103	200	0.522	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 7 (H241588-21)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/28/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 8 (H241588-22)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	336	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 9 (H241588-23)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.9 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 10 (H241588-24)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	320	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 11 (H241588-25)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	336	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 12 (H241588-26)

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	03/27/2024	ND	2.11	106	2.00	0.400		
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3		
Total BTEx	<0.300	0.300	03/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	368	16.0	03/28/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 13 (H241588-27)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	320	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 14 (H241588-28)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	352	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 15 (H241588-29)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
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	240	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (H241588-30)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (H241588-31)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (H241588-32)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.6 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (H241588-33)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
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	64.0	16.0	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (H241588-34)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (H241588-35)

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	03/27/2024	ND	2.11	106	2.00	0.400	
Toluene*	<0.050	0.050	03/27/2024	ND	2.17	109	2.00	7.38	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.27	114	2.00	11.4	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	6.83	114	6.00	13.3	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/28/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (H241588-36)

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	03/27/2024	ND	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (H241588-37)

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	03/27/2024	ND	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	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	32.0	16.0	03/28/2024	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	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.2 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (H241588-38)

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	03/27/2024	ND	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	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	80.0	16.0	03/28/2024	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	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 2 (H241588-39)

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	03/27/2024	ND	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/28/2024	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	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.0 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 3 (H241588-40)

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	03/27/2024	ND	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	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	32.0	16.0	03/28/2024	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	03/27/2024	ND	216	108	200	1.81	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	201	101	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 4 (H241588-41)

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	2.11	106	2.00	1.11		
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1		
Total BTEX	<0.300	0.300	03/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	288	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 5 (H241588-42)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 6 (H241588-43)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	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	48.0	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 7 (H241588-44)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	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	32.0	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 8 (H241588-45)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 9 (H241588-46)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEx	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 10 (H241588-47)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	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	528	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 12 (H241588-48)

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	2.11	106	2.00	1.11		
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1		
Total BTEX	<0.300	0.300	03/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	256	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 13 (H241588-49)

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	2.11	106	2.00	1.11		
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9		
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9		
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1		
Total BTEX	<0.300	0.300	03/27/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Analytical Results For:

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

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 14 (H241588-50)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	64.0	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 15 (H241588-51)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	160	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 16 (H241588-52)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 17 (H241588-53)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	160	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 18 (H241588-54)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 19 (H241588-55)

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	2.11	106	2.00	1.11	
Toluene*	<0.050	0.050	03/27/2024	ND	2.37	119	2.00	12.9	
Ethylbenzene*	<0.050	0.050	03/27/2024	ND	2.59	129	2.00	14.9	
Total Xylenes*	<0.150	0.150	03/27/2024	ND	7.86	131	6.00	17.1	
Total BTEX	<0.300	0.300	03/27/2024	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	80.0	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/27/2024
 Reported: 03/28/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW - 20 (H241588-56)

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: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/28/2024	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	03/27/2024	ND	212	106	200	7.09	
DRO >C10-C28*	<10.0	10.0	03/27/2024	ND	226	113	200	9.16	
EXT DRO >C28-C36	<10.0	10.0	03/27/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- 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



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



ORDINAL LABORATORIES

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST																											
Project Manager: Robbie Runnels		P.O. #:																													
Address: 2617 W Marland		Company: Spur Energy Partners																													
City: Hobbs		Attn: Kathy Purvis																													
Phone #: (575) 264-9884		Address:																													
Project #: 18359		City:																													
Project Name: Bone Yard 11 Fee #016h		State: NM Zip:																													
Project Location: 32.606454, -104.438028		Phone #:																													
Sample Name: Tania Felts		Fax #:																													
FOR LAB USE ONLY																															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																	
H341588																															
21	EW-7	C	1	X									3/26/24		X	X	X														
22	EW-8	C	1	X									3/26/24		X	X	X														
23	EW-9	C	1	X									3/26/24		X	X	X														
24	EW-10	C	1	X									3/26/24		X	X	X														
25	EW-11	C	1	X									3/26/24		X	X	X														
26	EW-12	C	1	X									3/26/24		X	X	X														
27	EW-13	C	1	X									3/26/24		X	X	X														
28	EW-14	C	1	X									3/26/24		X	X	X														
29	EW-15	C	1	X									3/26/24		X	X	X														
30	SW-1	C	1	X									3/26/24		X	X	X														
<small>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.</small>																															
Relinquished By: <i>[Signature]</i>		Date: 3-27-24		Received By: <i>[Signature]</i>		Date: 3-27-24		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No										Add'l Phone #:													
Relinquished By: <i>[Signature]</i>		Date: 3-27-24		Received By: <i>[Signature]</i>		Date: 3-27-24		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No										Add'l Fax #:													
Delivered By: (Circle One)		Time:		Time:		Time:		Sample Condition										CHECKED BY: <i>[Signature]</i>													
Sampler - UPS - Bus - Other: <i>10.0c</i>		#140		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																									

RUSH SAMPLES

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

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



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Robbie Runnels

Address: 2617 W Marland

City: Hobbs

Phone #: (575) 264-9884

Project #: 18359

Project Name: Bone Yard 11 Fee #016h

Project Location: 32.606454, -104.438028

Sampler Name: Tania Felts

P.O. #:

Company: Spur Energy Partners

Attn: Kathy Purvis

Address:

City:

State: NM Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

4241538

31

SW-2

32

SW-3

33

SW-4

34

SW-6

35

SW-7

36

SW-8

37

SW-9

38

SW-10

39

WW-2

40

WW-3

31

SW-2

32

SW-3

33

SW-4

34

SW-6

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SW-7

36

SW-8

37

SW-9

38

SW-10

39

WW-2

40

WW-3

31

SW-2

32

SW-3

33

SW-4

34

SW-6

35

SW-7

36

SW-8

37

SW-9

38

SW-10

39

WW-2

40

WW-3

31

SW-2

32

SW-3

33

SW-4

34

SW-6

35

SW-7

36

SW-8

37

SW-9

38

SW-10

39

WW-2

40

WW-3

31

SW-2

32

SW-3

33

SW-4

34

SW-6

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 63 of 64



ORDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 02, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BONE YARD 11 FEE #016H

Enclosed are the results of analyses for samples received by the laboratory on 04/01/24 11:04.

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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 04/01/2024
 Reported: 04/02/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FL - 29 @ 4' (H241660-01)

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	04/02/2024	ND	2.15	107	2.00	0.0819	
Toluene*	<0.050	0.050	04/02/2024	ND	2.12	106	2.00	0.599	
Ethylbenzene*	<0.050	0.050	04/02/2024	ND	2.17	108	2.00	0.239	
Total Xylenes*	<0.150	0.150	04/02/2024	ND	6.48	108	6.00	0.101	
Total BTEX	<0.300	0.300	04/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	04/02/2024	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	04/01/2024	ND	200	99.8	200	2.55	
DRO >C10-C28*	<10.0	10.0	04/01/2024	ND	201	101	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	04/01/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/01/2024
 Reported: 04/02/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: NW - 5 (H241660-02)

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	04/02/2024	ND	2.15	107	2.00	0.0819	
Toluene*	<0.050	0.050	04/02/2024	ND	2.12	106	2.00	0.599	
Ethylbenzene*	<0.050	0.050	04/02/2024	ND	2.17	108	2.00	0.239	
Total Xylenes*	<0.150	0.150	04/02/2024	ND	6.48	108	6.00	0.101	
Total BTEX	<0.300	0.300	04/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	160	16.0	04/02/2024	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	04/01/2024	ND	200	99.8	200	2.55	
DRO >C10-C28*	<10.0	10.0	04/01/2024	ND	201	101	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	04/01/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/01/2024
 Reported: 04/02/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 5 (H241660-03)

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	04/02/2024	ND	2.15	107	2.00	0.0819	
Toluene*	<0.050	0.050	04/02/2024	ND	2.12	106	2.00	0.599	
Ethylbenzene*	<0.050	0.050	04/02/2024	ND	2.17	108	2.00	0.239	
Total Xylenes*	<0.150	0.150	04/02/2024	ND	6.48	108	6.00	0.101	
Total BTEX	<0.300	0.300	04/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	144	16.0	04/02/2024	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	04/01/2024	ND	200	99.8	200	2.55	
DRO >C10-C28*	<10.0	10.0	04/01/2024	ND	201	101	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	04/01/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/01/2024
 Reported: 04/02/2024
 Project Name: BONE YARD 11 FEE #016H
 Project Number: 18359
 Project Location: SPUR - EDDY CO NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WW - 11 (H241660-04)

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	04/02/2024	ND	2.15	107	2.00	0.0819	
Toluene*	<0.050	0.050	04/02/2024	ND	2.12	106	2.00	0.599	
Ethylbenzene*	<0.050	0.050	04/02/2024	ND	2.17	108	2.00	0.239	
Total Xylenes*	<0.150	0.150	04/02/2024	ND	6.48	108	6.00	0.101	
Total BTEX	<0.300	0.300	04/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	04/02/2024	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	04/01/2024	ND	200	99.8	200	2.55	
DRO >C10-C28*	<10.0	10.0	04/01/2024	ND	201	101	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	04/01/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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.
- 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



ARDINAL LABORATORIES

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Robbie Runnels		P.O. #:											
Address: 2617 W Marland		Company: Spur Energy Partners											
City: Hobbs		Attn: Kathy Purvis											
Phone #: (575) 264-9884		Address:											
Fax #:		City:											
Project #: 18359		State: NM											
Project Name: Bone Yard 11 Fee #016h		Zip: 88240											
Project Location: 32.606454, -104.438028		Phone #:											
Sampler Name: Tania Felts		Fax #:											
FOR LAB USE ONLY													
Lab I.D. H441640		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING	
								GROUNDWATER					
								WASTEWATER					
								SOIL					
								OIL					
								SLUDGE					
								OTHER :					
								ACID/BASE:					
								ICE / COOL:					
								OTHER :					
								DATE		TIME			
FL-29 @ 4'		C 1		X		3/28/24		X		X		X	
NW-5		C 1		X		3/28/24		X		X		X	
SW-5		C 1		X		3/28/24		X		X		X	
WW-11		C 1		X		3/28/24		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: 3-1-24		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:					
Time: 11:04						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:					
Date:						REMARKS:							
Time:													
Relinquished By:													
Received By:													
Delivered By: (Circle One)													
Sampler - UPS - Bus - Other:													
FORM-006													
Revision 1.0													

RUSH SAMPLES

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

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 396300

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317146882
Incident Name	NAPP2317146882 BONE YARD 11 FEE #16H @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	BONE YARD 11 FEE #16H
Date Release Discovered	06/20/2023
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Other (Specify) Produced Water Released: 7 BBL Recovered: 4 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	WELD ON POLY TRANSFER LINE FAILED RELEASING PRODUCED WATER INTO PASTURE AND TWO TRACK ROAD

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 396300

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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	N/A

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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/30/2024
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 396300

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	U.S. Geological Survey
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 ½ and 1 (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	Between 1 and 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 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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
<i>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.</i>	
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)	7520
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2090
GRO+DRO (EPA SW-846 Method 8015M)	1600
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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	03/13/2024
On what date will (or did) the final sampling or liner inspection occur	03/28/2024
On what date will (or was) the remediation complete(d)	04/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	10865
What is the estimated volume (in cubic yards) that will be reclaimed	1435
What is the estimated surface area (in square feet) that will be remediated	10865
What is the estimated volume (in cubic yards) that will be remediated	2428

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.

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Oil Conservation Division
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QUESTIONS, Page 4

Action 396300

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	LEA LAND LANDFILL [fEEM0112342028]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/30/2024
<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 396300

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 396300

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	326631
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/29/2024
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	7000

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	10865
What was the total volume (cubic yards) remediated	2428
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	10865
What was the total volume (in cubic yards) reclaimed	1435
Summarize any additional remediation activities not included by answers (above)	Remediation efforts were successful in removing contaminate material above the closure criteria concentrations

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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/30/2024
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QUESTIONS, Page 7

Action 396300

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	10900
What was the total volume of replacement material (in cubic yards) for this site	2400
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	10/02/2024
Summarize any additional reclamation activities not included by answers (above)	SITE RESEDED WITH BLM #3 SEED MIX, AREA WAS CONTOURED TO ITS NATURAL LANDSCAPE, AND WATER EROSION CONTROLS WERE INSTALLED
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</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. 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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 10/28/2024

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Action 396300

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 396300

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396300
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Reclamation Report for Incident #NAPP2317146882 BONE YARD 11 FEE #16H. This Reclamation Report is approved. Future Reclamation Reports will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical.	11/26/2024