



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
Tin Horn 79-80 Main Line
UL/O, S23 T17S R31E
32.815832, -103.837281
nAPP2321432080**

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 Tin Horn 79-80 Main Line (Tin Horn). The site is located approximately five (5) miles southwest of Maljamar, NM in Unit Letter O, Section 23, Township 17 South, Range 31 East. The GPS coordinates of the Site are 32.815832, -103.837281. A "Site Location Map" is provided as Attachment #1.

On August 1, 2023, a release of produced water was discovered. The impacted area was approximately six-thousand, four-hundred square feet (6,400 ft²). An estimated nine-hundred and fifty cubic yards (950 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* (nAPP2321432080) was approved on September 11, 2024.

On October 1, 2024, the site was seeded with BLM #2 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 #2 seed mix. A photo log is included as "Attachment #3."

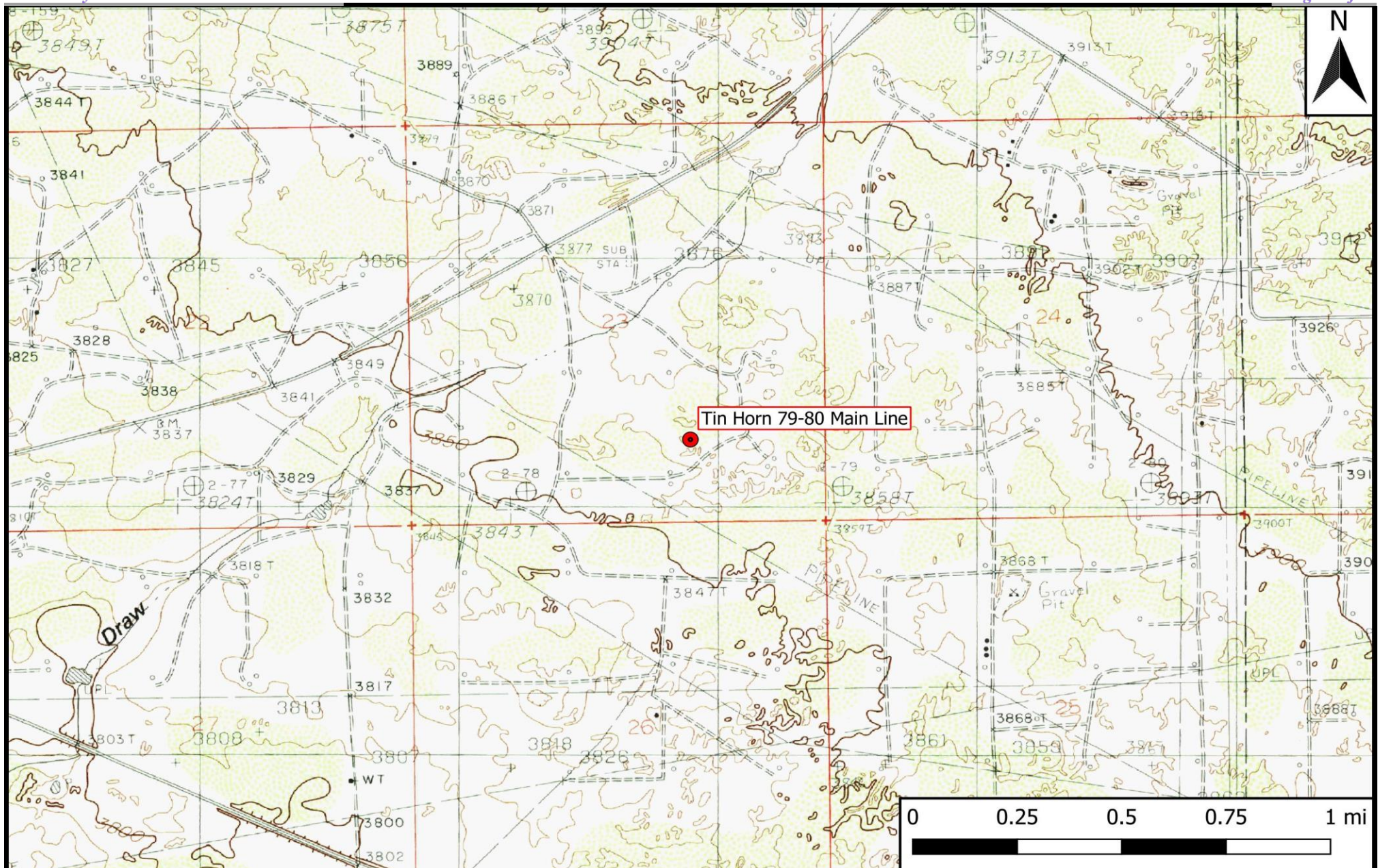
Please contact me if you have any questions or wish to discuss the site.

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

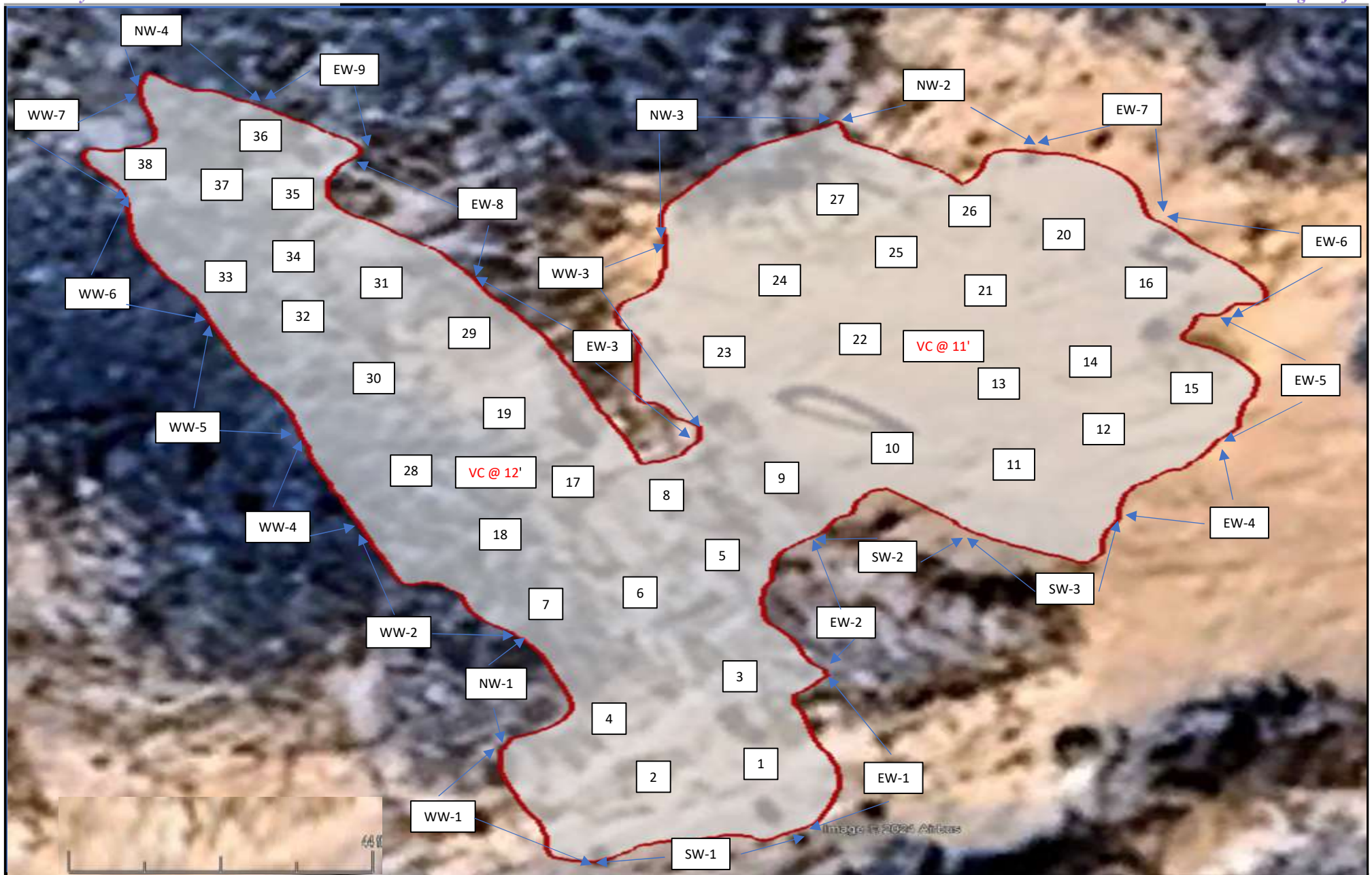
Topographic Map
 Spur Energy Partners, LLC
 Tin Horn 79-80 Main Line
 GPS: 32.815832, -103.837281
 Eddy County

ETECH
 Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl

Date: 8/2/23



Legend:

- Floor Sample
→ Wall Sample
 Excavated Area

Site Diagram

Site and Sample Location Map
 Spur Energy Partners, LLC
 Tin Horn 79-80 Main Line
 GPS: 32.815832, -103.837281
 Eddy County



Drafted:

Checked: jwl

Date:

10/9/24

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Spur Energy Partners, LLC
Tin Horn 79-80 Main Line
NMOCD Ref. #: nAPP2321432080

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
V1 @ 0'	8/21/2023	0	Excavated	<0.050	<0.300	<10.0	170	170	52.8	223	4,320
V1 @ 2'	8/21/2023	2	Excavated	<0.050	<0.300	<10.0	14.5	14.5	<10.0	14.5	3,920
V1 @ 4'	8/21/2023	4	In-Situ	<0.050	<0.300	<10.0	13.7	13.7	<10.0	13.7	6,880
V2 @ 0'	8/21/2023	0	Excavated	<0.050	<0.300	<10.0	2,330	2,330	629	2,960	944
V2 @ 2'	8/21/2023	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
V2 @ 4'	8/21/2023	4	In-Situ	<0.050	<0.300	<10.0	54.5	54.5	17.9	72.4	6,320
V3 @ 0'	8/21/2023	0	Excavated	<0.050	<0.300	<10.0	207	207	64.9	272	2,000
V3 @ 2'	8/21/2023	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,400
V3 @ 4'	8/21/2023	4	In-Situ	<0.050	<0.300	<10.0	375	375	105	480	4,560
VC @ 11'	4/25/2024	11	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
VC @ 12'	4/25/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 1 @ 4'	4/19/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,160
FL 2 @ 4'	4/19/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL 3 @ 4'	4/19/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 4 @ 4'	4/22/2024	4	In-Situ	<0.050	<0.300	<10.0	29.6	29.6	<10.0	29.6	720
FL 5 @ 4'	4/22/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 6 @ 4'	4/22/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 7 @ 4'	4/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,130
FL 8 @ 4'	4/25/2024	4	In-Situ	<0.050	<0.300	<10.0	196	196	60.8	257	1,180
FL 9 @ 4'	4/25/2024	4	In-Situ	<0.050	<0.300	<10.0	60.2	60.2	14.0	74.2	2,200
FL 10 @ 4'	4/25/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,520
FL 11 @ 4'	4/25/2024	4	In-Situ	<0.050	<0.300	<10.0	23.9	23.9	<10.0	23.9	384
FL 11 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	61.2	61.2	<10.0	61.2	1,810
FL 12 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	898	898	318	1,220	1,280
FL 13 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	156	156	37.1	193	1,960
FL 14 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,350
FL 15 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 16 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 17 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,230
FL 18 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,100
FL 19 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 20 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
FL 21 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL 22 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	31.2	31.2	<10.0	31.2	1,760
FL 23 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	133	133	28.3	161	2,160
FL 24 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	277	277	62.5	340	1,620
FL 25 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	236	236	68.3	304	2,560
FL 26 @ 4'	4/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 27 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,280
FL 28 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	94.4	94.4	23.8	118	832
FL 29 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464

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
Tin Horn 79-80 Main Line
NMOCD Ref. #: nAPP2321432080

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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)
FL 30 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	45.1	45.1	<10.0	45.1	832
FL 31 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 32 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	97.1	97.1	21.6	119	640
FL 33 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 34 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL 35 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
FL 36 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	261	261	88.7	350	1,600
FL 37 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760
FL 38 @ 4'	4/30/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,870
EW 1	4/19/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
EW 2	4/19/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
EW 3	4/30/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 4	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 5	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
EW 6	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 7	4/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
EW 8	4/30/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 9	4/30/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 1	4/19/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW 2	4/22/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 3	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
NW 3	4/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 4	4/30/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW 1	4/19/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 2	4/22/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW 3	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW 1	4/19/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 2	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
WW 3	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 4	4/25/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 5	4/26/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 6	4/30/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 7	4/30/2024	0-4	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.







Bamert Seed Company Inc.

1897 CR 1018 Muleshoe, TX 79347

(800) 262-9892

Permit # TX00905

Tin Horn 79-80 Mainline BLM #2 broadcast rate

Lot/Sales # SO-83494

Kind & Variety	Pure Seed	Germ	Dormant	Hard Seed	Origin
Bristlegrass Plains, (Setaria vulpiseta)	49.41%	16.00%	75.00%	0.00%	OK
Dropseed, Sand (Sporobolus crypandrus)	23.64%	16.00%	79.00%	0.00%	TX
Lovegrass Sand, "Bend" (Eragrostis trichodes)	23.19%	90.00%	7.00%	0.00%	TX
Purity: 96.24%	Inert Matter: 3.70%	Other Crop Seed: 0.04%		Weed Seed: 0.02%	
Noxious Weed Seed Per/Lb: None		Test Date: 09/2024		Net Wt: 4.6 lbs	

10-1-24



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

August 28, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: TIN HORN 79-80 MAIN LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/21/23 15:25.

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

Received: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V1 @ 0' (H234529-01)

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	08/25/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/25/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	6.30	105	6.00	2.55	
Total BTEX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	4320	16.0	08/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	170	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	52.8	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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

Analytical Results For:

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

Received: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V1 @ 2' (H234529-02)

BTX 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	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	3920	16.0	08/23/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	14.5	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V1 @ 4' (H234529-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	08/23/2023	ND	416	104	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	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	13.7	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V2 @ 0' (H234529-04)

BTX 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	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	08/23/2023	ND	416	104	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	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	2330	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	629	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

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

Received: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V2 @ 2' (H234529-05)

BTX 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	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	08/23/2023	ND	416	104	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	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V2 @ 4' (H234529-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	08/23/2023	ND	416	104	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	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	54.5	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	17.9	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V3 @ 0' (H234529-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	08/23/2023	ND	416	104	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	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	207	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	64.9	10.0	08/23/2023	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



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: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V3 @ 2' (H234529-08)

BTX 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	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	2400	16.0	08/23/2023	ND	416	104	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	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/21/2023
 Reported: 08/28/2023
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR - UL / 0 SEC 23 T17S - R31E

Sampling Date: 08/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V3 @ 4' (H234529-09)

BTX 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	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	<0.050	0.050	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	4560	16.0	08/23/2023	ND	416	104	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	08/23/2023	ND	175	87.3	200	5.82	
DRO >C10-C28*	375	10.0	08/23/2023	ND	169	84.5	200	13.2	
EXT DRO >C28-C36	105	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: Spur Energy Partners, LLC

Project Manager: Zach Conder

Address: 2617 W Marland Blvd

City: Hobbs State: NM Zip: 88240

Phone #: 575-396-2378 Fax #: 575-396-1429

Project #: 18540 Project Owner: Spur Energy Partners, LLC

Project Name: Tin Horn 79-80 Main Line

Project Location: U/L 0 Sec 23 T17S - R31E

Sampler Name: *Zach Conder*

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H234529

VIC01

V102

V104

V200

V202

V300

V302

V304

V306

V308

V310

V312

V314

V316

V318

V320

V322

V324

V326

V328

V330

V332

V334

V336

V338

V340

V342

V344

V346

V348

V350

V352

V354

V356

V358

V360

V362

V364

V366

V368

V370

V372

V374

V376

V378

V380

V382

V384

V386

V388

V390

V392

V394

V396

V398

V400

V402

V404

V406

V408

V410

V412

V414

V416

V418

V420

V422

V424

V426

V428

V430

V432

V434

V436

V438

V440

V442

V444

V446

V448

V450

V452

V454

V456

V458

V460

V462

V464

V466

V468

V470

V472

V474

V476

V478

V480

V482

V484

V486

V488

V490

V492

V494

V496

V498

V500

V502

V504

V506

V508

V510

V512

V514

V516

V518

V520

V522

V524

V526

V528

V530

V532

V534

V536

V538

V540

V542

V544

V546

V548

V550

V552

V554

V556

V558

V560

V562

V564

V566

V568

V570

V572

V574

V576

V578

V580

V582

V584

V586

V588

V590

V592

V594

V596

V598

V600

V602

V604

V606

V608

V610

V612

V614

V616

V618

V620

V622

V624

V626

V628

V630

V632

V634

V636

V638

V640

V642

V644

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V658

V660

V662

V664

V666

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V670

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V678

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V716

V718

V720

V722

V724

V726

V728

V730

V732

V734

V736

V738

V740

V742

V744

V746

V748

V750

V752

V754

V756

V758

V760

V762

V764

V766

V768

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V772

V774

V776

V778

V780

V782

V784

V786

V788

V790

V792

V794

V796

V798

V800

V802

V804

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V808

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V820

V822

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V828

V830

V832

V834

V836

V838

V840

V842

V844

V846

V848

V850

V852

V854

V856

V858

V860

V862

V864

V866

V868

V870

V872

V874

V876

V878

V880

V882

V884

V886

V888

V890

V892

V894



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

April 26, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: TIN HORN 79-80 MAIN LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/22/24 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ 4' (H242129-01)

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	04/22/2024	ND	2.04	102	2.00	0.0248	
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167	
Total BTX	<0.300	0.300	04/22/2024	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	3160	16.0	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.4 % 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ 4' (H242129-02)

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	04/22/2024	ND	2.04	102	2.00	0.0248		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167		
Total BTEX	<0.300	0.300	04/22/2024	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	1040	16.0	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.4 % 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ 4' (H242129-03)

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	04/22/2024	ND	2.04	102	2.00	0.0248		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167		
Total BTEX	<0.300	0.300	04/22/2024	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	32.0	16.0	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H242129-04)

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	04/22/2024	ND	2.04	102	2.00	0.0248		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167		
Total BTEX	<0.300	0.300	04/22/2024	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	208	16.0	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H242129-05)

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	04/22/2024	ND	2.04	102	2.00	0.0248		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167		
Total BTEx	<0.300	0.300	04/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 2 (H242129-06)

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	04/22/2024	ND	2.04	102	2.00	0.0248	
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167	
Total BTEX	<0.300	0.300	04/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.2 % 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H242129-07)

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	04/22/2024	ND	2.04	102	2.00	0.0248	
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45	
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609	
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167	
Total BTEx	<0.300	0.300	04/22/2024	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	80.0	16.0	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.5 % 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: 04/22/2024
 Reported: 04/26/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/19/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H242129-08)

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	04/22/2024	ND	2.04	102	2.00	0.0248		
Toluene*	<0.050	0.050	04/22/2024	ND	2.02	101	2.00	1.45		
Ethylbenzene*	<0.050	0.050	04/22/2024	ND	2.13	107	2.00	0.609		
Total Xylenes*	<0.150	0.150	04/22/2024	ND	6.43	107	6.00	0.167		
Total BTEX	<0.300	0.300	04/22/2024	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	04/23/2024	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	04/22/2024	ND	210	105	200	0.672	
DRO >C10-C28*	<10.0	10.0	04/22/2024	ND	206	103	200	0.580	
EXT DRO >C28-C36	<10.0	10.0	04/22/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.3 % 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

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



101 East Marland Hobbs NM 88340

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 29, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: TIN HORN 79-80 MAIN LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/23/24 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: 04/23/2024
 Reported: 04/29/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 4 @ 4' (H242177-01)

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	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTX	<0.300	0.300	04/25/2024	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	720	16.0	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	29.6	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 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: 04/23/2024
 Reported: 04/29/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 4' (H242177-02)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2200	16.0	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 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: 04/23/2024
 Reported: 04/29/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 4' (H242177-03)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	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	1090	16.0	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 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: 04/23/2024
 Reported: 04/29/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H242177-04)

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	04/25/2024	ND	2.22	111	2.00	4.15		
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29		
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7		
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27		
Total BTEX	<0.300	0.300	04/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 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: 04/23/2024
 Reported: 04/29/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 2 (H242177-05)

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	04/25/2024	ND	2.22	111	2.00	4.15	
Toluene*	<0.050	0.050	04/25/2024	ND	1.89	94.5	2.00	8.29	
Ethylbenzene*	<0.050	0.050	04/25/2024	ND	1.91	95.7	2.00	10.7	
Total Xylenes*	<0.150	0.150	04/25/2024	ND	6.82	114	6.00	6.27	
Total BTEX	<0.300	0.300	04/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	04/25/2024	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	04/24/2024	ND	197	98.7	200	0.715	
DRO >C10-C28*	<10.0	10.0	04/24/2024	ND	192	96.1	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	04/24/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



• CARDINAL LABORATORIES
101 East Main Street, Suite 100
St. Paul, MN 55101
(612) 222-1100

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

April 30, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: TIN HORN 79-80 MAIN LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/26/24 15:52.

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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ 4' (H242255-01)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11	QM-07	
Total BTEx	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2130	16.0	04/29/2024	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	04/30/2024	ND	210	105	200	0.836	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	214	107	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 8 @ 4' (H242255-02)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	04/29/2024	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	04/30/2024	ND	210	105	200	0.836	
DRO >C10-C28*	196	10.0	04/30/2024	ND	214	107	200	0.560	
EXT DRO >C28-C36	60.8	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 4' (H242255-03)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	04/29/2024	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	04/30/2024	ND	210	105	200	0.836	
DRO >C10-C28*	60.2	10.0	04/30/2024	ND	214	107	200	0.560	
EXT DRO >C28-C36	14.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 4' (H242255-04)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 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	1520	16.0	04/29/2024	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	04/30/2024	ND	210	105	200	0.836	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	214	107	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 4' (H242255-05)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/29/2024	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	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	23.9	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: VC @ 11' (H242255-06)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/29/2024	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	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: VC @ 12' (H242255-07)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/29/2024	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	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.3 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H242255-08)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/29/2024	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	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 4 (H242255-09)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/29/2024	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	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 5 (H242255-10)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 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	224	16.0	04/29/2024	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	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.7 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 6 (H242255-11)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.0 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 3 (H242255-12)

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	04/29/2024	ND	1.75	87.7	2.00	3.02		
Toluene*	<0.050	0.050	04/29/2024	ND	1.71	85.5	2.00	2.90		
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	1.69	84.6	2.00	2.36		
Total Xylenes*	<0.150	0.150	04/29/2024	ND	4.94	82.4	6.00	2.11		
Total BTEX	<0.300	0.300	04/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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	160	16.0	04/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 82.9 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H242255-13)

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	04/29/2024	ND	2.20	110	2.00	5.47	
Toluene*	<0.050	0.050	04/29/2024	ND	2.13	107	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	2.07	104	2.00	4.58	
Total Xylenes*	<0.150	0.150	04/29/2024	ND	6.07	101	6.00	4.70	
Total BTEX	<0.300	0.300	04/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 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	04/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.1 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 3 (H242255-14)

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	04/29/2024	ND	2.20	110	2.00	5.47	
Toluene*	<0.050	0.050	04/29/2024	ND	2.13	107	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	2.07	104	2.00	4.58	
Total Xylenes*	<0.150	0.150	04/29/2024	ND	6.07	101	6.00	4.70	
Total BTX	<0.300	0.300	04/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 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	04/30/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.7 % 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: 04/26/2024
 Reported: 04/30/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 4 (H242255-15)

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	04/29/2024	ND	2.20	110	2.00	5.47	
Toluene*	<0.050	0.050	04/29/2024	ND	2.13	107	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/29/2024	ND	2.07	104	2.00	4.58	
Total Xylenes*	<0.150	0.150	04/29/2024	ND	6.07	101	6.00	4.70	
Total BTEX	<0.300	0.300	04/29/2024	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	48.0	16.0	04/30/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	201	101	200	3.46	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	196	97.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 19



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 State: NM Zip: 88240

Phone #: (575) 264-9884 Fax #:

Project #: 18540 Project Owner: Spur Energy Partners

Project Name: Tin Horn 79-80 Main Line

Project Location: 32.815832, -103.837281

Sampler Name: Tania Felts

BILL TO

P.O. #:

Company: Spur Energy Partners

Attn: Kathy Purvis

Address:

City:

State: NM Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D. Sample I.D.

H242255

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

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

May 01, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: TIN HORN 79-80 MAIN LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/29/24 14:42.

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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 4' (H242272-01)

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	04/30/2024	ND	2.15	108	2.00	0.826	
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30	
Total BTX	<0.300	0.300	04/30/2024	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	1810	16.0	04/30/2024	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	207	103	200	0.918	
DRO >C10-C28*	61.2	10.0	04/29/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 12 @ 4' (H242272-02)

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	04/30/2024	ND	2.15	108	2.00	0.826	
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30	
Total BTEX	<0.300	0.300	04/30/2024	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	1280	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	207	103	200	0.918	
DRO >C10-C28*	898	10.0	04/29/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	318	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 13 @ 4' (H242272-03)

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	04/30/2024	ND	2.15	108	2.00	0.826	
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30	
Total BTX	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1960	16.0	04/30/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	207	103	200	0.918	
DRO >C10-C28*	156	10.0	04/29/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	37.1	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 14 @ 4' (H242272-04)

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	04/30/2024	ND	2.15	108	2.00	0.826		
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30		
Total BTEX	<0.300	0.300	04/30/2024	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	2350	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 15 @ 4' (H242272-05)

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	04/30/2024	ND	2.15	108	2.00	0.826		
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30		
Total BTEx	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/29/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/29/2024	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 16 @ 4' (H242272-06)

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	04/30/2024	ND	2.15	108	2.00	0.826		
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30		
Total BTEX	<0.300	0.300	04/30/2024	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	48.0	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 17 @ 4' (H242272-07)

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	04/30/2024	ND	2.15	108	2.00	0.826	
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30	
Total BTEX	<0.300	0.300	04/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	04/30/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 18 @ 4' (H242272-08)

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	04/30/2024	ND	2.15	108	2.00	0.826	
Toluene*	<0.050	0.050	04/30/2024	ND	2.20	110	2.00	3.70	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.36	118	2.00	5.10	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	7.23	120	6.00	7.30	
Total BTEx	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	1100	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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

Received: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 19 @ 4' (H242272-09)

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	04/30/2024	ND	2.10	105	2.00	7.60		
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0		
Total BTEX	<0.300	0.300	04/30/2024	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	864	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 20 @ 4' (H242272-10)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTX	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	2520	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 21 @ 4' (H242272-11)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTEX	<0.300	0.300	04/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	04/30/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 22 @ 4' (H242272-12)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTEX	<0.300	0.300	04/30/2024	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	1760	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	31.2	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 23 @ 4' (H242272-13)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTEX	<0.300	0.300	04/30/2024	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	2160	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	133	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	28.3	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 24 @ 4' (H242272-14)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTEX	<0.300	0.300	04/30/2024	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	1620	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	277	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	62.5	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 25 @ 4' (H242272-15)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTEX	<0.300	0.300	04/30/2024	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	2560	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	236	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	68.3	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 26 @ 4' (H242272-16)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTEX	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	04/30/2024	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H242272-17)

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	04/30/2024	ND	2.10	105	2.00	7.60		
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 7 (H242272-18)

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	04/30/2024	ND	2.10	105	2.00	7.60	
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0	
Total BTEX	<0.300	0.300	04/30/2024	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	144	16.0	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	207	103	200	0.918	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	212	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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: 04/29/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/26/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 5 (H242272-19)

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	04/30/2024	ND	2.10	105	2.00	7.60		
Toluene*	<0.050	0.050	04/30/2024	ND	2.09	105	2.00	8.57		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.29	115	2.00	9.30		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.98	116	6.00	10.0		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	04/30/2024	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 23



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO		ANALYSIS REQUEST																			
Project Manager: Robbie Runnels		P.O. #:																					
Address: 2617 W Marland		Company: Spur Energy Partners																					
City: Hobbs		Attn: Kathy Purvis																					
State: NM Zip: 88240		Address:																					
Phone #: (575) 264-9884 Fax #:																							
Project #: 18540 Project Owner: Spur Energy Partners		City:																					
Project Name: Tin Horn 79-80 Main Line		State: NM Zip:																					
Project Location: 32.815832, -103.837281		Phone #:																					
Sampler Name: Tania Fels		Fax #:																					
FOR LAB USE ONLY																							
Lab I.D. Sample I.D. H872272		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING													
				GROUNDWATER																			
				WASTEWATER																			
				SOIL																			
				OIL																			
				SLUDGE																			
				OTHER :																			
				ACID/BASE:																			
				ICE / COOL																			
				OTHER :																			
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Relinquished By:		Date: 4-29-24		Received By:		Date: 4-29-24																	
Relinquished By:		Time: 1442		Received By:		Time:																	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:																			
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		(Initials)																			
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																					
		Yes <input type="checkbox"/> No <input type="checkbox"/>																					
FORM-006																							
Revision 1.0																							
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476																							
RUSH SAMPLES - 48H																							
Please email results and copy of CoC to pm@etechenv.com.																							
REMARKS:																							
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																							
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:																							



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

May 01, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: TIN HORN 79-80 MAIN LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/30/24 14:51.

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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 4' (H242309-01)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTX	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 28 @ 4' (H242309-02)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTEX	<0.300	0.300	04/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	94.4	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	23.8	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 110 % 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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Analytical Results For:

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

Received: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 29 @ 4' (H242309-03)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTEx	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 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	464	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 30 @ 4' (H242309-04)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTEX	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	45.1	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 31 @ 4' (H242309-05)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEx	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 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	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 32 @ 4' (H242309-06)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	97.1	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	21.6	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 33 @ 4' (H242309-07)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEx	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 34 @ 4' (H242309-08)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 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	1040	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 110 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 35 @ 4' (H242309-09)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTEX	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 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	1380	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 36 @ 4' (H242309-10)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTEX	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	261	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	88.7	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 37 @ 4' (H242309-11)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 38 @ 4' (H242309-12)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTEx	<0.300	0.300	04/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 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	1870	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 4 (H242309-13)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 3 (H242309-14)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 8 (H242309-15)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 9 (H242309-16)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 6 (H242309-17)

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	04/30/2024	ND	2.20	110	2.00	0.711	
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491	
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785	
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664	
Total BTEX	<0.300	0.300	04/30/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/01/2024	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	04/30/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	04/30/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	04/30/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 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: 04/30/2024
 Reported: 05/01/2024
 Project Name: TIN HORN 79-80 MAIN LINE
 Project Number: 18540
 Project Location: SPUR 32.815832, -103.837281

Sampling Date: 04/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 7 (H242309-18)

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	04/30/2024	ND	2.20	110	2.00	0.711		
Toluene*	<0.050	0.050	04/30/2024	ND	2.16	108	2.00	0.491		
Ethylbenzene*	<0.050	0.050	04/30/2024	ND	2.13	107	2.00	0.785		
Total Xylenes*	<0.150	0.150	04/30/2024	ND	6.25	104	6.00	0.664		
Total BTEX	<0.300	0.300	04/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 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	32.0	16.0	05/01/2024	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	05/01/2024	ND	193	96.4	200	3.98	
DRO >C10-C28*	<10.0	10.0	05/01/2024	ND	191	95.5	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	05/01/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 396282

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2321432080
Incident Name	NAPP2321432080 TIN HORN 79-80 MAIN LINE RELEASE @ 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	TIN HORN 79-80 MAIN LINE RELEASE
Date Release Discovered	08/01/2023
Surface Owner	Federal

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: High Line Pressure Pipeline (Any) Produced Water Released: 15 BBL Recovered: 0 BBL Lost: 15 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)	HIGH LINE PRESSURE CAUSED A PPL TO RELEASE PRODUCED WATER INTO THE PASTURE

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QUESTIONS, Page 2

Action 396282

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	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: 08/20/2024
--	--

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QUESTIONS, Page 3

Action 396282

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	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	Direct Measurement
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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (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)	6880
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2960
GRO+DRO (EPA SW-846 Method 8015M)	2330
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.3

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	04/19/2024
On what date will (or did) the final sampling or liner inspection occur	04/19/2024
On what date will (or was) the remediation complete(d)	05/02/2024
What is the estimated surface area (in square feet) that will be reclaimed	6600
What is the estimated volume (in cubic yards) that will be reclaimed	950
What is the estimated surface area (in square feet) that will be remediated	6380
What is the estimated volume (in cubic yards) that will be remediated	952

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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QUESTIONS, Page 4

Action 396282

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	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:	
(Select all answers below that apply.)	
(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: 08/20/2024
<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 396282

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	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 396282

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	332838
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/17/2024
What was the (estimated) number of samples that were to be gathered	80
What was the sampling surface area in square feet	13000

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	6380
What was the total volume (cubic yards) remediated	952
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	6380
What was the total volume (in cubic yards) reclaimed	952
Summarize any additional remediation activities not included by answers (above)	TOP FOUR FEET EXCAVATED

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: 08/20/2024
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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 7

Action 396282

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	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	6400
What was the total volume of replacement material (in cubic yards) for this site	950
<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 reseedling commence(d)	10/01/2024
Summarize any additional reclamation activities not included by answers (above)	Seeded with BLM #2 seed mix, Area was contoured to natural landscape, 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 reseedling 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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QUESTIONS, Page 8

Action 396282

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	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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Santa Fe, NM 87505

CONDITIONS

Action 396282

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 396282
	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 #NAPP2321432080 TIN HORN 79-80 MAIN LINE RELEASE. 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