



June 12, 2024

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New Mexico Oil Conservation Division (NMOCD)
Environmental Bureau Projects Group
1000 Rio Brazos Road
Aztec, NM 87110

Attn: Ms. Ashley Maxwell
P 505-635-5000
E ashley.maxwell@emnrd.nm.gov

RE: Remediation Work Plan
Scout Energy Partners
WDDU #46
Case No. (1RP-2163), Incident ID NGRL0912837220
Jal, Lea County, New Mexico

Dear Ms. Maxwell:

Scout Energy Partners (Scout) has prepared this work plan describing site investigation activities which occurred in 2023 and a plan for remediation in 2024. The scope of work is intended to address historic contamination which occurred prior to Scout purchasing the property from Chevron in October of 2021.

Project Background

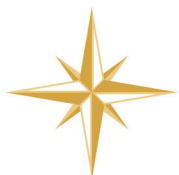
The Site is located approximately 7.51 miles northeast of Jal, in United States Bureau of Land Management (BLM), Unit A, Section 31, Township 24 South, Range 38 East, Lea County, New Mexico.

The location is more than 5 miles from any permanent residence, school, hospital, institution or church. No fresh water wells/springs of continuously flowing watercourses flow within 5 miles of the location as well.

On April 3, 2009, a 2-inch diameter International Plumbing Code (IPC) connection from the Water Injection Station failed releasing approximately 55 barrels (bbls) of produced water. The Initial C-141 Form stated that after isolating and repairing the leak a vacuum truck recovered approximately 10 bbls of produced water. According to the New Mexico Office of the State Engineer (NMOSE) database, there is a water well approximately 1.0 mile west of the Site with a depth to groundwater of approximately 82 feet below ground surface (bgs). The Initial C-141 Form for this release was submitted to the New Mexico Oil Conservation Division (NMOCD) on April 17, 2009 and approved by the NMOCD on April 21, 2009. The release was assigned remediation permit number 1RP-2163. The Initial C-141 Form for this release is included in **Attachment 1**.

2023 Site Sampling

In 2023, soil samples were collected in 1' intervals down to 4' below ground surface (bgs) in nine separate locations utilizing hand auguring and air rotary drill methods. These samples were analyzed for Chlorides, TPH GRO, DRO & MRO and BTEX in accordance with NMOCD standards.



13800 Montfort Drive, Dallas, Texas 75240 | Confidential

- Chloride concentrations were detected as high as 1350 mg/kg in 5 soil boring locations within the release area which exceeded NMOCD screening limit of 600 mg/kg at depths of 1-4 feet.
- No additional analytical tests showed sample results higher than regulatory limits as stipulated by the NMOCD

The site map and analytical report are included in **Attachments 2 and 3**. Attached with the site map is a historic map outlining what analytical work had been done prior to Scout acquiring the asset.

Next Steps

Scout intends to excavate out all areas which exceeded NMOCD screening criteria limit of 600 mg/kg chloride. The area will require approximately 8,912.19 square feet of surface area to be reclaimed. Approximately 1320.32 cubic yards of soil are estimated to be remediated.

Scout will utilize hand augers to continue delineating the impacted area horizontally.

Scout will utilize field screening test strips and PID meters while excavating to determine digging area and will remove contaminated soil. All soil will be hauled to a facility permitted to handle waste of this type within the states of New Mexico or Texas. Due to the depth to groundwater in this area, Scout does not feel that excavation below 4 feet below ground surface (bgs) is necessary or required. All excavated areas will be confirmation sampled upon completion and those samples will be submitted to the state through a C-141 form.

Prior to initiating any intrusive work, Scout will coordinate utility clearance activities as required.

Work Plan Approval and Schedule

Upon approval, Scout intends to begin work excavating area immediately. All appropriate notices of work and sampling will be given to the state within required times.

Should you have any questions regarding this work plan, please contact me at (972) 965-5580 or Spencer.jackson@scoutep.com.

Sincerely,



Spencer Jackson
Senior HSE Specialist

Attachments – Attachment 1, Initial C-141
Attachment 2, Site Map
Attachment 3, Analytical Report



Attachment 1

Initial C-141 Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
APR 20 2009
HOBBSD

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Chevron	Contact Ricky Heredia
Address PO Drawer 29 Andrews Tx 79714	Telephone No. 432-523-3655 ex-7603
Facility Name WDDU 46	Facility Type Water injection well
Surface Owner PRIVATE	Mineral Owner
Lease No.	

LOCATION OF RELEASE API# 30-025.12273.00.00

Unit Letter A	Section 31	Township 24S	Range 38 E	Feet from the	North/South Line	Feet from the	East/West Line	County LEA
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Water release	Volume of Release 55 bbls water	Volume Recovered 10 bbls water
Source of Release 2" injection line	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD	
By Whom? Ricky Heredia	Date and Hour 4/3/2009 20:00	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 220'

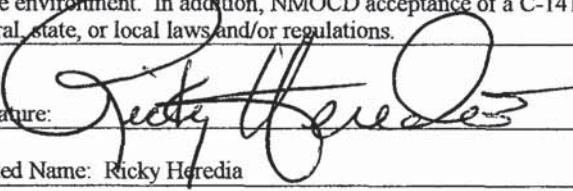
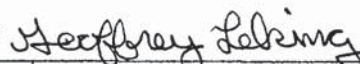
Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion on 2" IPC nipple from Water Injection Station failed releasing 55bbls produce water

Describe Area Affected and Cleanup Action Taken.*

Upon discovery mobilized one call brought in vacuum truck, Isolated and repaired leak, recovered 10 bbls produce water.
Called third party

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Ricky Heredia	Approved by District Supervisor: 	
Title: HES	Approval Date: 04/21/09	Expiration Date: 06/22/09
E-mail Address: rhrc@chevron.com	Conditions of Approval: DELINEATE TO CLEAN+1. SUBMIT FINAL C-141 BY 06/22/09	
Date: 4/17/2009 Phone: 432-523-365 ext 7603	Attached ☐ IRP-09-4-2163	

* Attach Additional Sheets If Necessary

FGRL0912836556

Attachment 2

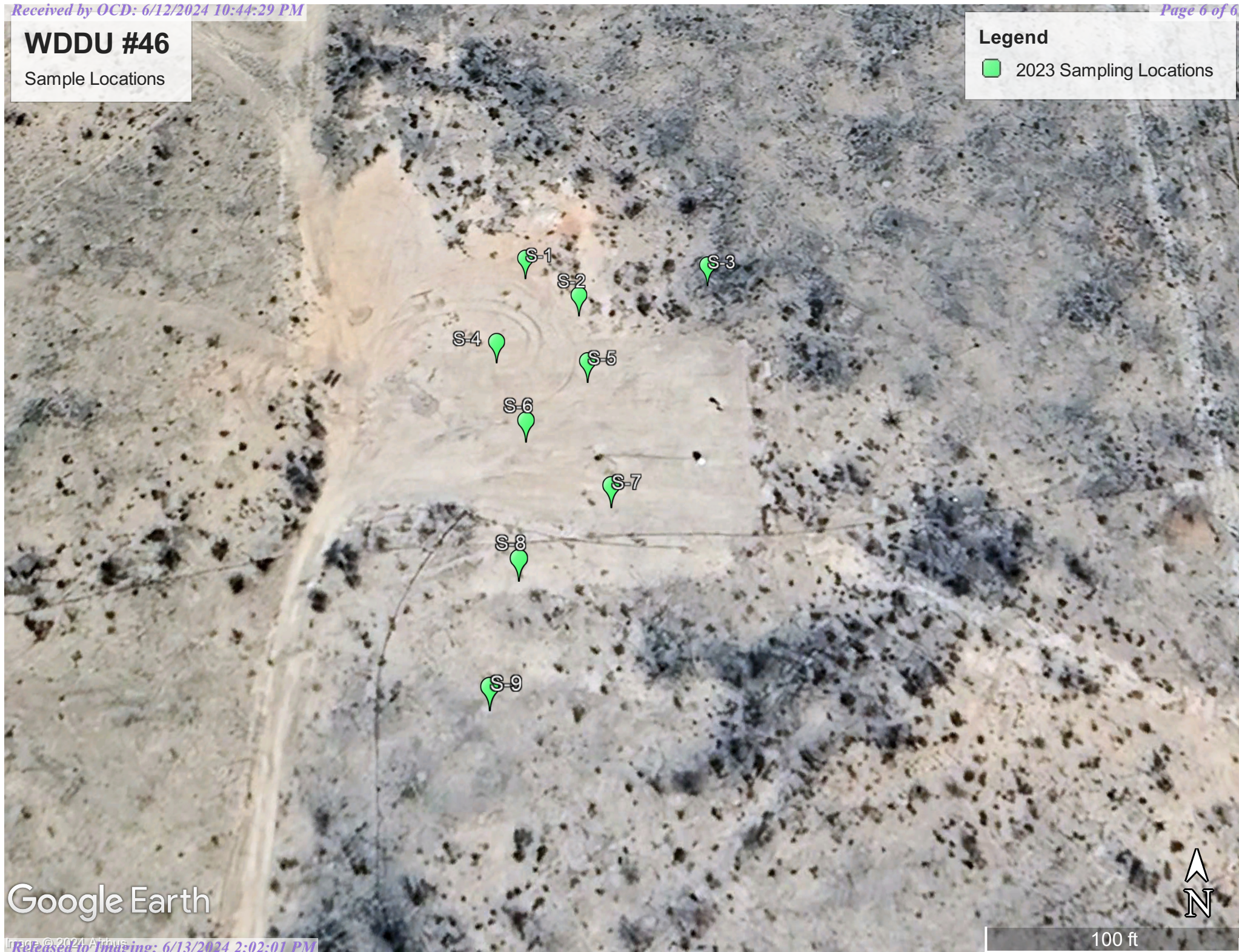
Site Map

WDDU #46

Sample Locations

Legend

 2023 Sampling Locations



Google Earth

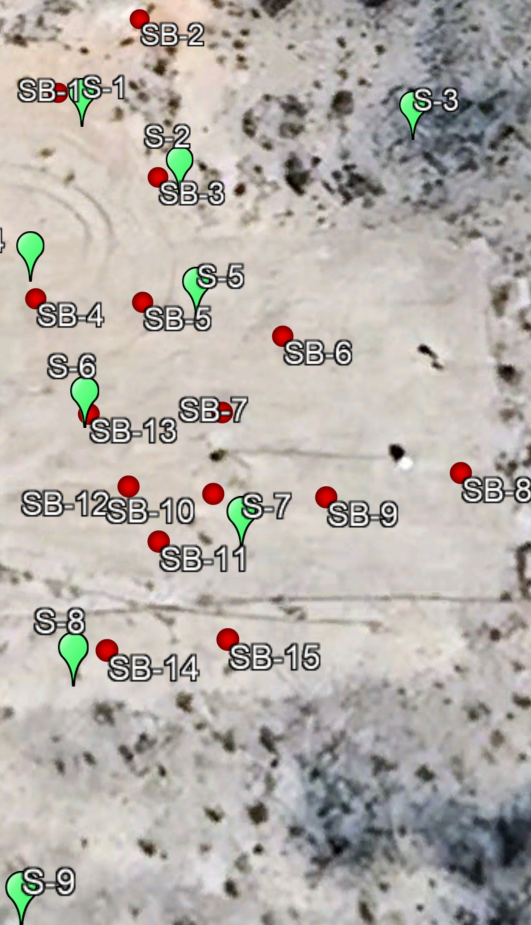
100 ft

WDDU #46

Sample Locations

Legend

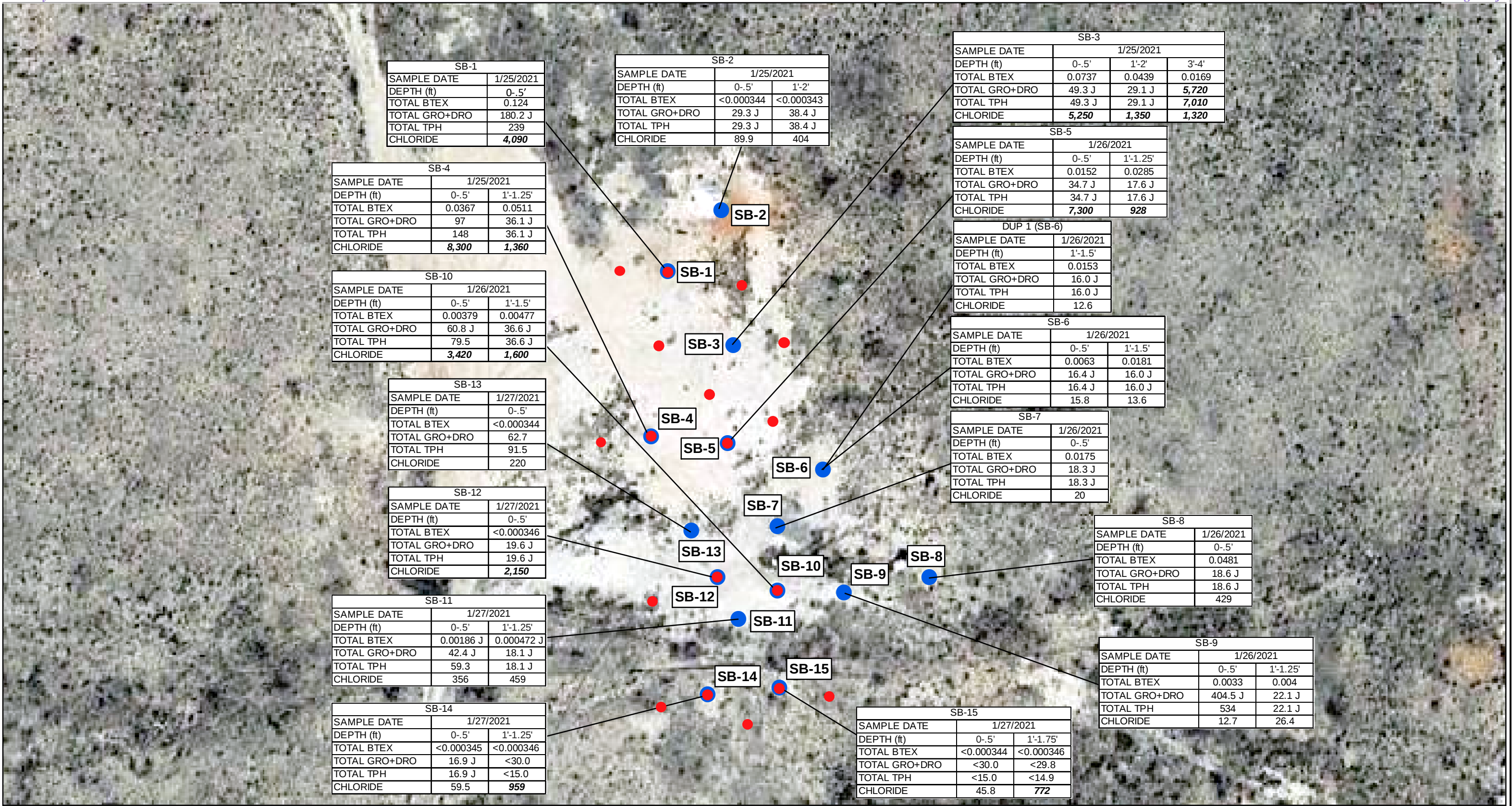
- 2023 Sampling Locations
- Historic Sampling Locations



Google Earth

100 ft

F:\T:\ENV\Chevron\Chevron_WDDU 46\MXD\Figure 3_Soil Analytical Map.mxd: 3/22/2021 4:51:30 PM



LEGEND:

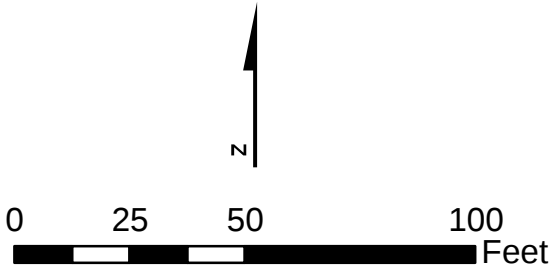
- Previous Soil Sample Location
- Proposed Soil Sample Location

NOTES:

- Datum: GCS_WGS_1984
- Site Location: 32.178339, -103.092128

Analyte	NMAC Standards	Restoration Requirements
TOTAL BTEX	50	--
TOTAL GRO+DRO	1,000	--
TOTAL TPH	2,500	--
CHLORIDE	10,000	600

Notes:
Bold = Analytes exceeding NMAC standards and restoration requirements for Chloride
Results are in Milligrams per Kilograms
NMAC = New Mexico Administration Code
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
Total TPH = GRO + DRO + MRO



Chevron Environmental Management Company
WDDU 46
Lea County, New Mexico

Proposed Soil Sample Location Map

FIGURE 1

Attachment 3

Analytical Report

T013647 WDDU-46													
Sample I.D. No.	Lab I.D.	Date & Time	Benzene (mg/kg dry)	Toluene (mg/kg dry)	Ethylbenzene (mg/kg dry)	Total Xylenes (mg/kg dry)	Total BTEX (mg/kg dry)	Gasoline Range Organics (mg/kg dry)	Diesel Range Organics (mg/kg dry)	Total GRO + DRO (mg/kg dry)	Oil Range Organics (mg/kg dry)	Total TPH (mg/kg dry)	Chloride (mg/kg dry)
NMAC Standards			10	--	--	--	50	--	--	1,000	--	2,500	20,000
S1-1'	T013647-01	10/17/2023 10:31:00	<0.00234	<0.00231	<0.00212	<0.00506	ND	<0.206	<0.231	0.00	<0.231	0.00	700
S1-2'	T013647-02	10/17/2023 10:30:00	<0.00230	<0.00228	<0.00208	<0.00498	ND	<0.199	<0.224	0.00	<0.224	0.00	880
S1-3'	T013647-03	10/17/2023 10:30:00	<0.00230	<0.00228	<0.00209	<0.00500	ND	<0.201	<0.226	0.00	<0.226	0.00	810
S1-4'	T013647-04	10/17/2023 10:29:00	<0.00236	<0.00234	<0.00214	<0.00512	ND	<0.207	<0.232	0.00	<0.232	0.00	1350
S2-1'	T013647-05	10/17/2023 10:22:00	<0.00225	<0.00223	<0.00204	<0.00487	ND	<0.196	<0.220	0.00	<0.220	0.00	945
S2-2'	T013647-06	10/17/2023 10:21:00	<0.00229	<0.00227	<0.00208	<0.00497	ND	<0.200	<0.225	0.00	<0.225	0.00	1060
S2-3'	T013647-07	10/17/2023 10:20:00	<0.00234	<0.00232	<0.00212	<0.00507	ND	<0.204	23.8	23.8	<0.230	23.8	1230
S2-4'	T013647-08	10/17/2023 10:20:00	<0.00235	<0.00233	<0.00213	<0.00510	ND	<0.204	<0.229	0.00	<0.229	0.00	1110
S3-1'	T013647-09	10/17/2023 10:06:00	<0.00216	<0.00214	<0.00196	<0.00468	ND	<0.190	<0.213	0.00	<0.213	0.00	12.6
S3-2'	T013647-10	10/17/2023 10:06:00	<0.00217	<0.00215	<0.00197	<0.00471	ND	<0.190	<0.214	0.00	<0.214	0.00	16.3
S3-3'	T013647-11	10/17/2023 10:05:00	<0.00224	<0.00221	<0.00203	<0.00484	ND	<0.195	<0.219	0.00	<0.219	0.00	16.0
S3-4'	T013647-12	10/17/2023 10:04:00	<0.00222	<0.00220	<0.00202	<0.00482	ND	<0.193	<0.217	0.00	<0.217	0.00	5.99
S4-1'	T013647-13	10/17/2023 10:04:00	<0.00223	<0.00221	<0.00202	<0.00483	ND	<0.194	<0.218	0.00	<0.218	0.00	769
S4-2'	T013647-14	10/17/2023 10:42:00	<0.00230	<0.00228	<0.00208	<0.00498	ND	<0.199	<0.223	0.00	<0.223	0.00	628
S4-3'	T013647-15	10/17/2023 10:41:00	<0.00227	<0.00225	<0.00206	<0.00492	ND	<0.197	<0.221	0.00	<0.221	0.00	567
S4-4'	T013647-16	10/17/2023 10:40:00	<0.00229	<0.00227	<0.00208	<0.00497	ND	<0.200	<0.224	0.00	<0.224	0.00	654
S5-1'	T013647-17	10/17/2023 10:14:00	<0.00218	<0.00216	<0.00198	<0.00473	ND	<0.195	<0.219	0.00	<0.219	0.00	633
S5-2'	T013647-18	10/17/2023 10:13:00	<0.00222	<0.00220	<0.00202	<0.00482	ND	<0.199	<0.223	0.00	<0.223	0.00	556
S5-3'	T013647-19	10/17/2023 10:12:00	<0.00234	<0.00232	<0.00213	<0.00508	ND	<0.206	<0.232	0.00	<0.232	0.00	601
S5-4'	T013647-20	10/17/2023 10:11:00	<0.00228	<0.00226	<0.00207	<0.00494	ND	<0.198	<0.222	0.00	<0.222	0.00	471
S6-1'	T013647-21	10/17/2023 10:51:00	<0.00220	<0.00218	<0.00199	<0.00476	ND	<0.197	<0.222	0.00	<0.222	0.00	165
S6-2'	T013647-22	10/17/2023 10:50:00	<0.00231	<0.00229	<0.00210	<0.00502	ND	<0.202	<0.227	0.00	<0.227	0.00	435
S6-3'	T013647-23	10/17/2023 10:49:00	<0.00236	<0.00234	<0.00214	<0.00512	ND	<0.206	<0.232	0.00	<0.232	0.00	454
S6-4'	T013647-24	10/17/2023 10:48:00	<0.00229	<0.00227	<0.00208	<0.00496	ND	<0.198	<0.223	0.00	<0.223	0.00	286
S7-1'	T013647-25	10/17/2023 09:57:00	<0.00223	<0.00221	<0.00202	<0.00483	ND	<0.195	<0.219	0.00	<0.219	0.00	890
S7-2'	T013647-26	10/17/2023 09:56:00	<0.00234	<0.00232	<0.00212	<0.00507	ND	<0.207	<0.233	0.00	<0.233	0.00	926
S7-3'	T013647-27	10/17/2023 09:55:00	<0.00238	<0.00236	<0.00216	<0.00516	ND	<0.209	<0.234	0.00	<0.234	0.00	1000
S7-4'	T013647-28	10/17/2023 09:54:00	<0.00238	<0.00236	<0.00216	<0.00515	ND	<0.205	<0.230	0.00	<0.230	0.00	884
S8-1'	T013647-29	10/17/2023 09:50:00	<0.00224	<0.00221	<0.00203	<0.00485	ND	<0.195	<0.219	0.00	<0.219	0.00	561

Sample I.D. No.	Lab I.D.	Date & Time	Benzene (mg/kg dry)	Toluene (mg/kg dry)	Ethylbenzene (mg/kg dry)	Total Xylenes (mg/kg dry)	Total BTEX (mg/kg dry)	Gasoline Range Organics (mg/kg dry)	Diesel Range Organics (mg/kg dry)	Total GRO + DRO (mg/kg dry)	Oil Range Organics (mg/kg dry)	Total TPH (mg/kg dry)	Chloride (mg/kg dry)
NMAC Standards			10	--	--	--	50	--	--	1,000	--	2,500	20,000
S9-1'	T013647-30	10/17/2023 09:55:00	<0.00223	<0.00220	<0.00202	<0.00482	ND	<0.193	<0.217	0.00	<0.217	0.00	15.8
S9-2'	T013647-31	10/17/2023 10:00:00	<0.00222	<0.00220	<0.00201	<0.00481	ND	<0.193	<0.217	0.00	<0.217	0.00	8.41

**TTI ENVIRONMENTAL
LABORATORIES****TEST REPORT****TTI Lab No: T013647****Customer ID: HC****PO #: ---****Date Collected: 10/17/23****Date Received: 10/20/23****Date Reported: 11/10/23**

Steve Trammell
Hydro-Con
11263 S I35
Lorena, TX 76655

Dear Steve Trammell:

Please find the enclosed analytical results for the samples you submitted to TTI Environmental Laboratories.

The as-is-received samples were suitably preserved and prepared as per EPA approved methodology. The determinations were carried out using EPA approved methods. The test results are tabulated in the attached tables. The analytical data contained in these tables has undergone a thorough review and is deemed to be accurate and complete.

Everyone in our organization will work hard to earn your continued support. We appreciate the opportunity to do business with you and look forward to a growing relationship in the future.

Please do not hesitate to contact us, if we can be of any service to you or if you have any questions, at (817) 861-5322.

Hardy Pabley
Hardy Pabley

**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Client Sample ID	Laboratory ID	Matrix	Sampled:
S1-1'	T013647-01	Soil	10/17/2023
S1-2'	T013647-02	Soil	10/17/2023
S1-3'	T013647-03	Soil	10/17/2023
S1-4'	T013647-04	Soil	10/17/2023
S2-1'	T013647-05	Soil	10/17/2023
S2-2'	T013647-06	Soil	10/17/2023
S2-3'	T013647-07	Soil	10/17/2023
S2-4'	T013647-08	Soil	10/17/2023
S3-1'	T013647-09	Soil	10/17/2023
S3-2'	T013647-10	Soil	10/17/2023
S3-3'	T013647-11	Soil	10/17/2023
S3-4'	T013647-12	Soil	10/17/2023
S4-1'	T013647-13	Soil	10/17/2023
S4-2'	T013647-14	Soil	10/17/2023
S4-3'	T013647-15	Soil	10/17/2023
S4-4'	T013647-16	Soil	10/17/2023
S5-1'	T013647-17	Soil	10/17/2023
S5-2'	T013647-18	Soil	10/17/2023
S5-3'	T013647-19	Soil	10/17/2023
S5-4'	T013647-20	Soil	10/17/2023
S6-1'	T013647-21	Soil	10/17/2023
S6-2'	T013647-22	Soil	10/17/2023
S6-3'	T013647-23	Soil	10/17/2023
S6-4'	T013647-24	Soil	10/17/2023
S7-1'	T013647-25	Soil	10/17/2023
S7-2'	T013647-26	Soil	10/17/2023
S7-3'	T013647-27	Soil	10/17/2023

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800 106th Street ♦ Arlington, Texas 76011

Phone: (817) 861-5322 ♦ Fax: (817) 261 1717



**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Client Sample ID	Laboratory ID	Matrix	Sampled:
S7-4'	T013647-28	Soil	10/17/2023
S8-1'	T013647-29	Soil	10/17/2023
S9-1'	T013647-30	Soil	10/17/2023
S9-2'	T013647-31	Soil	10/17/2023


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-1'
TTI Sample No.: T013647-01

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	90.8	%		10/27/23
Chloride	SM4500-CL	0.272	0.872	10	700	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.206	11.0	1	< 0.206	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.231	11.0	1	< 0.231	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.231	11.0	1	< 0.231	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				86.3 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				87.5 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00234	0.0109	1	< 0.00234	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00231	0.0109	1	< 0.00231	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00212	0.0109	1	< 0.00212	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00506	0.0109	1	< 0.00506	mg/kg dry	U	10/25/23

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800 106th Street ♦ Arlington, Texas 76011

Phone: (817) 861-5322 ♦ Fax: (817) 261 1717


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-2'
TTI Sample No.: T013647-02

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	93.2	%		10/27/23
Chloride	SM4500-CL	0.265	0.849	10	880	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.199	10.7	1	< 0.199	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.224	10.7	1	< 0.224	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.224	10.7	1	< 0.224	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				78.1 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				83.4 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00230	0.0107	1	< 0.00230	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00228	0.0107	1	< 0.00228	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00208	0.0107	1	< 0.00208	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00498	0.0107	1	< 0.00498	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-3'
TTI Sample No.: T013647-03

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	92.9	%		10/27/23
Chloride	SM4500-CL	0.269	0.860	10	810	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.201	10.8	1	< 0.201	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.226	10.8	1	< 0.226	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.226	10.8	1	< 0.226	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				86.0 %			
Surrogate: 1-Chlorooctane	EPA 8015M				84.6 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00230	0.0107	1	< 0.00230	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00228	0.0107	1	< 0.00228	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00209	0.0107	1	< 0.00209	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00500	0.0107	1	< 0.00500	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-4'
TTI Sample No.: T013647-04

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	89.1	%		10/27/23
Chloride	SM4500-CL	0.280	0.897	10	1350	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.207	11.1	1	< 0.207	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.232	11.1	1	< 0.232	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.232	11.1	1	< 0.232	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				82.2 %			
Surrogate: 1-Chlorooctane	EPA 8015M				81.4 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00236	0.0110	1	< 0.00236	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00234	0.0110	1	< 0.00234	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00214	0.0110	1	< 0.00214	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00512	0.0110	1	< 0.00512	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-1'
TTI Sample No.: T013647-05

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	95.5	%		10/27/23
Chloride	SM4500-CL	0.259	0.830	10	945	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.196	10.5	1	< 0.196	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.220	10.5	1	< 0.220	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.220	10.5	1	< 0.220	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				85.9 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				87.1 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00225	0.0104	1	< 0.00225	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00223	0.0104	1	< 0.00223	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00204	0.0104	1	< 0.00204	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00487	0.0104	1	< 0.00487	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-2'
TTI Sample No.: T013647-06

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	93.2	%		10/27/23
Chloride	SM4500-CL	0.267	0.856	10	1060	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.200	10.7	1	< 0.200	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.225	10.7	1	< 0.225	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.225	10.7	1	< 0.225	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				85.9 %			
Surrogate: 1-Chlorooctane	EPA 8015M				82.1 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00229	0.0107	1	< 0.00229	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00227	0.0107	1	< 0.00227	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00208	0.0107	1	< 0.00208	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00497	0.0107	1	< 0.00497	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-3'
TTI Sample No.: T013647-07

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	91.5	%		10/27/23
Chloride	SM4500-CL	0.272	0.871	10	1230	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.204	10.9	1	< 0.204	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.230	10.9	1	23.8	mg/kg dry		10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.230	10.9	1	< 0.230	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	23.8	mg/kg dry		10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				84.5 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				85.6 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00234	0.0109	1	< 0.00234	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00232	0.0109	1	< 0.00232	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00212	0.0109	1	< 0.00212	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00507	0.0109	1	< 0.00507	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-4'
TTI Sample No.: T013647-08

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	91.2	%		10/27/23
Chloride	SM4500-CL	0.273	0.874	10	1110	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.204	10.9	1	< 0.204	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.229	10.9	1	< 0.229	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.229	10.9	1	< 0.229	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				77.2 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				83.1 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00235	0.0109	1	< 0.00235	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00233	0.0109	1	< 0.00233	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00213	0.0109	1	< 0.00213	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00510	0.0109	1	< 0.00510	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-1'
TTI Sample No.: T013647-09

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	98.3	%		10/27/23
Chloride	SM4500-CL	0.252	0.806	10	12.6	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.190	10.2	1	< 0.190	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.213	10.2	1	< 0.213	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.213	10.2	1	< 0.213	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				83.4 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				84.6 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00216	0.0101	1	< 0.00216	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00214	0.0101	1	< 0.00214	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00196	0.0101	1	< 0.00196	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00468	0.0101	1	< 0.00468	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-2'
TTI Sample No.: T013647-10

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	97.3	%		10/27/23
Chloride	SM4500-CL	0.255	0.816	10	16.3	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.190	10.2	1	< 0.190	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.214	10.2	1	< 0.214	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.214	10.2	1	< 0.214	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				82.8 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				84.5 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00217	0.0101	1	< 0.00217	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00215	0.0101	1	< 0.00215	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00197	0.0101	1	< 0.00197	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00471	0.0101	1	< 0.00471	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-3'
TTI Sample No.: T013647-11

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	95.4	%		10/27/23
Chloride	SM4500-CL	0.0521	0.167	2	16.0	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.195	10.4	1	< 0.195	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.219	10.4	1	< 0.219	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.219	10.4	1	< 0.219	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				84.2 %			
Surrogate: 1-Chlorooctane	EPA 8015M				89.3 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00224	0.0104	1	< 0.00224	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00221	0.0104	1	< 0.00221	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00203	0.0104	1	< 0.00203	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00484	0.0104	1	< 0.00484	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-4'
TTI Sample No.: T013647-12

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	96.5	%		10/27/23
Chloride	SM4500-CL	0.0516	0.165	2	5.99	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.193	10.3	1	< 0.193	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.217	10.3	1	< 0.217	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.217	10.3	1	< 0.217	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				83.3 %			
Surrogate: 1-Chlorooctane	EPA 8015M				81.4 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00222	0.0103	1	< 0.00222	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00220	0.0103	1	< 0.00220	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00202	0.0103	1	< 0.00202	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00482	0.0103	1	< 0.00482	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-1'
TTI Sample No.: T013647-13

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	95.8	%		10/27/23
Chloride	SM4500-CL	0.260	0.832	10	769	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.194	10.4	1	< 0.194	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.218	10.4	1	< 0.218	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.218	10.4	1	< 0.218	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				82.6 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				84.6 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00223	0.0104	1	< 0.00223	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00221	0.0104	1	< 0.00221	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00202	0.0104	1	< 0.00202	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00483	0.0104	1	< 0.00483	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-2'
TTI Sample No.: T013647-14

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	93.2	%		10/27/23
Chloride	SM4500-CL	0.268	0.858	10	628	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.199	10.6	1	< 0.199	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.223	10.6	1	< 0.223	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.223	10.6	1	< 0.223	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				85.7 %			
Surrogate: 1-Chlorooctane	EPA 8015M				85.9 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00230	0.0107	1	< 0.00230	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00228	0.0107	1	< 0.00228	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00208	0.0107	1	< 0.00208	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00498	0.0107	1	< 0.00498	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-3'
TTI Sample No.: T013647-15

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	94.1	%		10/27/23
Chloride	SM4500-CL	0.262	0.839	10	567	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.197	10.5	1	< 0.197	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.221	10.5	1	< 0.221	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.221	10.5	1	< 0.221	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				83.5 %			
Surrogate: 1-Chlorooctane	EPA 8015M				81.5 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00227	0.0106	1	< 0.00227	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00225	0.0106	1	< 0.00225	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00206	0.0106	1	< 0.00206	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00492	0.0106	1	< 0.00492	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-4'
TTI Sample No.: T013647-16

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	93.7	%		10/27/23
Chloride	SM4500-CL	0.266	0.851	10	654	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.200	10.7	1	< 0.200	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.224	10.7	1	< 0.224	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.224	10.7	1	< 0.224	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				84.0 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				83.8 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00229	0.0107	1	< 0.00229	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00227	0.0107	1	< 0.00227	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00208	0.0107	1	< 0.00208	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00497	0.0107	1	< 0.00497	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S5-1'
TTI Sample No.: T013647-17

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	95.7	%		10/27/23
Chloride	SM4500-CL	0.259	0.829	10	633	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.195	10.4	1	< 0.195	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.219	10.4	1	< 0.219	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.219	10.4	1	< 0.219	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				84.7 %			
Surrogate: 1-Chlorooctane	EPA 8015M				80.8 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00218	0.0101	1	< 0.00218	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00216	0.0101	1	< 0.00216	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00198	0.0101	1	< 0.00198	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00473	0.0101	1	< 0.00473	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S5-2'
TTI Sample No.: T013647-18

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	94.0	%		10/27/23
Chloride	SM4500-CL	0.262	0.838	10	556	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.199	10.6	1	< 0.199	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.223	10.6	1	< 0.223	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.223	10.6	1	< 0.223	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				84.8 %			
Surrogate: 1-Chlorooctane	EPA 8015M				81.2 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00222	0.0103	1	< 0.00222	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00220	0.0103	1	< 0.00220	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00202	0.0103	1	< 0.00202	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00482	0.0103	1	< 0.00482	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S5-3'
TTI Sample No.: T013647-19

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	90.6	%		10/27/23
Chloride	SM4500-CL	0.275	0.881	10	601	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.206	11.0	1	< 0.206	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.232	11.0	1	< 0.232	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.232	11.0	1	< 0.232	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				89.7 %			
Surrogate: 1-Chlorooctane	EPA 8015M				87.1 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00234	0.0109	1	< 0.00234	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00232	0.0109	1	< 0.00232	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00213	0.0109	1	< 0.00213	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00508	0.0109	1	< 0.00508	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S5-4'
TTI Sample No.: T013647-20

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	94.1	%		10/27/23
Chloride	SM4500-CL	0.263	0.843	10	471	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.198	10.6	1	< 0.198	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.222	10.6	1	< 0.222	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.222	10.6	1	< 0.222	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				85.6 %			
Surrogate: 1-Chlorooctane	EPA 8015M				82.3 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00228	0.0106	1	< 0.00228	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00226	0.0106	1	< 0.00226	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00207	0.0106	1	< 0.00207	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00494	0.0106	1	< 0.00494	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S6-1'
TTI Sample No.: T013647-21

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	94.6	%		10/27/23
Chloride	SM4500-CL	0.262	0.838	10	165	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.197	10.6	1	< 0.197	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.222	10.6	1	< 0.222	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.222	10.6	1	< 0.222	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				82.9 %			
Surrogate: 1-Chlorooctane	EPA 8015M				72.9 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00220	0.0102	1	< 0.00220	mg/kg dry	U	10/25/23
Toluene	EPA 8260	0.00218	0.0102	1	< 0.00218	mg/kg dry	U	10/25/23
Ethylbenzene	EPA 8260	0.00199	0.0102	1	< 0.00199	mg/kg dry	U	10/25/23
Xylenes, total	EPA 8260	0.00476	0.0102	1	< 0.00476	mg/kg dry	U	10/25/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S6-2'
TTI Sample No.: T013647-22

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	92.5	%		10/27/23
Chloride	SM4500-CL	0.268	0.858	10	435	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.202	10.8	1	< 0.202	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.227	10.8	1	< 0.227	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.227	10.8	1	< 0.227	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				72.1 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				81.6 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00231	0.0108	1	< 0.00231	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00229	0.0108	1	< 0.00229	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00210	0.0108	1	< 0.00210	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00502	0.0108	1	< 0.00502	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S6-3'
TTI Sample No.: T013647-23

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	90.3	%		10/27/23
Chloride	SM4500-CL	0.274	0.877	10	454	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.206	11.0	1	< 0.206	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.232	11.0	1	< 0.232	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.232	11.0	1	< 0.232	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				74.2 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				81.9 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00236	0.0110	1	< 0.00236	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00234	0.0110	1	< 0.00234	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00214	0.0110	1	< 0.00214	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00512	0.0110	1	< 0.00512	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S6-4'
TTI Sample No.: T013647-24

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	93.9	%		10/27/23
Chloride	SM4500-CL	0.262	0.839	10	286	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.198	10.6	1	< 0.198	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.223	10.6	1	< 0.223	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.223	10.6	1	< 0.223	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				72.8 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				81.7 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00229	0.0106	1	< 0.00229	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00227	0.0106	1	< 0.00227	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00208	0.0106	1	< 0.00208	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00496	0.0106	1	< 0.00496	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S7-1'
TTI Sample No.: T013647-25

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	95.6	%		10/27/23
Chloride	SM4500-CL	0.260	0.833	10	890	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.195	10.4	1	< 0.195	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.219	10.4	1	< 0.219	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.219	10.4	1	< 0.219	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctane	EPA 8015M				79.7 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				86.7 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00223	0.0104	1	< 0.00223	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00221	0.0104	1	< 0.00221	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00202	0.0104	1	< 0.00202	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00483	0.0104	1	< 0.00483	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S7-2'
TTI Sample No.: T013647-26

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	89.8	%		10/27/23
Chloride	SM4500-CL	0.276	0.882	10	926	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.207	11.1	1	< 0.207	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.233	11.1	1	< 0.233	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.233	11.1	1	< 0.233	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				82.7 %			
Surrogate: 1-Chlorooctane	EPA 8015M				74.0 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00234	0.0109	1	< 0.00234	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00232	0.0109	1	< 0.00232	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00212	0.0109	1	< 0.00212	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00507	0.0109	1	< 0.00507	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S7-3'
TTI Sample No.: T013647-27

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	89.6	%		10/27/23
Chloride	SM4500-CL	0.277	0.887	10	1000	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.209	11.2	1	< 0.209	mg/kg dry	U	10/30/23
Diesel Range Organics(DRO)	EPA 8015M	0.234	11.2	1	< 0.234	mg/kg dry	U	10/30/23
Motor Oil Organics(MRO)	EPA 8015M	0.234	11.2	1	< 0.234	mg/kg dry	U	10/30/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/30/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				82.3 %			
Surrogate: 1-Chlorooctane	EPA 8015M				71.6 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00238	0.0111	1	< 0.00238	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00236	0.0111	1	< 0.00236	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00216	0.0111	1	< 0.00216	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00516	0.0111	1	< 0.00516	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S7-4'
TTI Sample No.: T013647-28

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	90.4	%		10/27/23
Chloride	SM4500-CL	0.276	0.883	10	884	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.205	11.0	1	< 0.205	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.230	11.0	1	< 0.230	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.230	11.0	1	< 0.230	mg/kg dry	U	10/31/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/31/23
Surrogate: 1-Chlorooctane	EPA 8015M				75.0 %			
Surrogate: 1-Chlorooctadecane	EPA 8015M				83.1 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00238	0.0111	1	< 0.00238	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00236	0.0111	1	< 0.00236	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00216	0.0111	1	< 0.00216	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00515	0.0111	1	< 0.00515	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S8-1'
TTI Sample No.: T013647-29

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	95.4	%		10/27/23
Chloride	SM4500-CL	0.261	0.834	10	561	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.195	10.5	1	< 0.195	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.219	10.5	1	< 0.219	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.219	10.5	1	< 0.219	mg/kg dry	U	10/31/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/31/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				82.0 %			
Surrogate: 1-Chlorooctane	EPA 8015M				72.5 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00224	0.0104	1	< 0.00224	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00221	0.0104	1	< 0.00221	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00203	0.0104	1	< 0.00203	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00485	0.0104	1	< 0.00485	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S9-1'
TTI Sample No.: T013647-30

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	96.6	%		10/27/23
Chloride	SM4500-CL	0.0513	0.164	2	15.8	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.193	10.3	1	< 0.193	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.217	10.3	1	< 0.217	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.217	10.3	1	< 0.217	mg/kg dry	U	10/31/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/31/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				84.3 %			
Surrogate: 1-Chlorooctane	EPA 8015M				76.3 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00223	0.0104	1	< 0.00223	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00220	0.0104	1	< 0.00220	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00202	0.0104	1	< 0.00202	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00482	0.0104	1	< 0.00482	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S9-2'
TTI Sample No.: T013647-31

Sampled Date: 10/17/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	96.5	%		10/27/23
Chloride	SM4500-CL	0.0513	0.164	2	8.41	mg/kg dry		10/27/23

TOTAL PETROLEUM HYDROCARBONS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Gas Range Organics(GRO)	EPA 8015M	0.193	10.3	1	< 0.193	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.217	10.3	1	< 0.217	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.217	10.3	1	< 0.217	mg/kg dry	U	10/31/23
Total TPH	EPA 8015M			1	0.00	mg/kg dry	U	10/31/23
Surrogate: 1-Chlorooctadecane	EPA 8015M				80.1 %			
Surrogate: 1-Chlorooctane	EPA 8015M				68.7 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00222	0.0103	1	< 0.00222	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00220	0.0103	1	< 0.00220	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00201	0.0103	1	< 0.00201	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00481	0.0103	1	< 0.00481	mg/kg dry	U	10/26/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

CLASSICAL CHEMISTRY PARAMETERS - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3102020 - Default Prep GenChem

Duplicate (3102020-DUP1)		Source: T013643-01			Prepared: 10/20/23 Analyzed: 10/27/23						
% Solids	99.8		0.100	%		99.8			0.000787	200	
Duplicate (3102020-DUP2)		Source: T013643-02			Prepared: 10/20/23 Analyzed: 10/27/23						
% Solids	97.2		0.100	%		97.2			0.0501	200	
Duplicate (3102020-DUP3)		Source: T013643-03			Prepared: 10/20/23 Analyzed: 10/27/23						
% Solids	99.4		0.100	%		99.5			0.0991	200	

Batch 3102614 - Default Prep GenChem

Blank (3102614-BLK1)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	< 0.00500	0.00500	0.0160	mg/kg wet							U
Blank (3102614-BLK2)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	< 0.00500	0.00500	0.0160	mg/kg wet							U
LCS (3102614-BS1)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	4.81	0.00500	0.0160	mg/kg wet	5.00	96.2	80-120				
LCS (3102614-BS2)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	4.83	0.00500	0.0160	mg/kg wet	5.00	96.6	80-120				
LCS Dup (3102614-BSD1)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	4.86	0.00500	0.0160	mg/kg wet	5.00	97.2	80-120	1.03	20		
LCS Dup (3102614-BSD2)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	4.90	0.00500	0.0160	mg/kg wet	5.00	98.0	80-120	1.44	20		

Batch 3102615 - Default Prep GenChem

Blank (3102615-BLK1)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	< 0.00500	0.00500	0.0160	mg/kg wet							U
Blank (3102615-BLK2)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	< 0.00500	0.00500	0.0160	mg/kg wet							U
LCS (3102615-BS1)		Prepared: 10/26/23 Analyzed: 10/27/23									
Chloride	4.90	0.00500	0.0160	mg/kg wet	5.00	98.0	80-120				


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

CLASSICAL CHEMISTRY PARAMETERS - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3102615 - Default Prep GenChem

LCS (3102615-BS2)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	4.87	0.00500	0.0160	mg/kg wet	5.00		97.4	80-120			

LCS Dup (3102615-BSD1)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	4.77	0.00500	0.0160	mg/kg wet	5.00		95.4	80-120	2.69	20	

LCS Dup (3102615-BSD2)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	4.79	0.00500	0.0160	mg/kg wet	5.00		95.8	80-120	1.66	20	


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

VOLATILES - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3103021 - EPA 5030B
Blank (3103021-BLK1)

Prepared & Analyzed: 10/25/23

Benzene	< 0.00215	0.00215	0.0100	mg/kg wet							U
Ethylbenzene	< 0.00195	0.00195	0.0100	"							U
Toluene	< 0.00213	0.00213	0.0100	"							U
Xylenes, total	< 0.00466	0.00466	0.0100	"							U

Blank (3103021-BLK2)

Prepared & Analyzed: 10/26/23

Benzene	< 0.00215	0.00215	0.0100	mg/kg wet							U
Ethylbenzene	< 0.00195	0.00195	0.0100	"							U
Toluene	< 0.00213	0.00213	0.0100	"							U
Xylenes, total	< 0.00466	0.00466	0.0100	"							U

LCS (3103021-BS1)

Prepared & Analyzed: 10/24/23

1,1-Dichloroethylene	0.0512	0.00221	0.0100	mg/kg wet	0.0496		103	61-145			
Benzene	0.0536	0.00215	0.0100	"	0.0500		107	39-150			
Chlorobenzene	0.0515	0.00171	0.0100	"	0.0500		103	55-135			
Toluene	0.0515	0.00213	0.0100	"	0.0496		104	46-148			
Trichloroethylene	0.0501	0.00636	0.0100	"	0.0500		100	65-135			
Surrogate: 4-Bromofluorobenzene	0.0538			"	0.0502		107	60-140			
Surrogate: Dibromofluoromethane	0.0566			"	0.0500		113	60-140			
Surrogate: Toluene-d8	0.0530			"	0.0500		106	60-140			

LCS (3103021-BS2)

Prepared & Analyzed: 10/25/23

1,1-Dichloroethylene	0.0580	0.00221	0.0100	mg/kg wet	0.0496		117	61-145			
Benzene	0.0569	0.00215	0.0100	"	0.0500		114	39-150			
Chlorobenzene	0.0554	0.00171	0.0100	"	0.0500		111	55-135			
Toluene	0.0554	0.00213	0.0100	"	0.0496		112	46-148			
Trichloroethylene	0.0534	0.00636	0.0100	"	0.0500		107	65-135			
Surrogate: 4-Bromofluorobenzene	0.0550			"	0.0502		110	60-140			
Surrogate: Dibromofluoromethane	0.0566			"	0.0500		113	60-140			
Surrogate: Toluene-d8	0.0531			"	0.0500		106	60-140			

LCS Dup (3103021-BSD1)

Prepared & Analyzed: 10/24/23

1,1-Dichloroethylene	0.0569	0.00221	0.0100	mg/kg wet	0.0496		115	61-145	10.7	25	
Benzene	0.0573	0.00215	0.0100	"	0.0500		115	39-150	6.69	20	
Chlorobenzene	0.0528	0.00171	0.0100	"	0.0500		106	55-135	2.36	25	
Toluene	0.0522	0.00213	0.0100	"	0.0496		105	46-148	1.35	20	

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

VOLATILES - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3103021 - EPA 5030B
LCS Dup (3103021-BSD1)

Prepared & Analyzed: 10/24/23

Trichloroethylene	0.0498	0.00636	0.0100	mg/kg wet	0.0500		99.6	65-135	0.541	25	
Surrogate: 4-Bromofluorobenzene	0.0565			"	0.0502		113	60-140			
Surrogate: Dibromofluoromethane	0.0588			"	0.0500		118	60-140			
Surrogate: Toluene-d8	0.0522			"	0.0500		104	60-140			

LCS Dup (3103021-BSD2)

Prepared & Analyzed: 10/25/23

1,1-Dichloroethylene	0.0572	0.00221	0.0100	mg/kg wet	0.0496		115	61-145	1.48	25	
Benzene	0.0578	0.00215	0.0100	"	0.0500		116	39-150	1.53	20	
Chlorobenzene	0.0547	0.00171	0.0100	"	0.0500		109	55-135	1.29	25	
Toluene	0.0513	0.00213	0.0100	"	0.0496		103	46-148	7.67	20	
Trichloroethylene	0.0524	0.00636	0.0100	"	0.0500		105	65-135	1.95	25	
Surrogate: 4-Bromofluorobenzene	0.0544			"	0.0502		108	60-140			
Surrogate: Dibromofluoromethane	0.0582			"	0.0500		116	60-140			
Surrogate: Toluene-d8	0.0523			"	0.0500		105	60-140			

Matrix Spike (3103021-MS1)

Source: T013646-21

Prepared & Analyzed: 10/27/23

1,1-Dichloroethylene	0.0602	0.00227	0.0103	mg/kg dry	0.0509	<	118	61-145			
Benzene	0.0611	0.00221	0.0103	"	0.0513	<	119	39-150			
Chlorobenzene	0.0532	0.00176	0.0103	"	0.0513	<	104	55-135			
Toluene	0.0615	0.00219	0.0103	"	0.0509	<	121	46-148			
Trichloroethylene	0.0508	0.00653	0.0103	"	0.0513	<	99.0	65-135			
Surrogate: 4-Bromofluorobenzene	0.0513			"	0.0515		99.5	60-140			
Surrogate: Dibromofluoromethane	0.0628			"	0.0513		122	60-140			
Surrogate: Toluene-d8	0.0520			"	0.0513		101	60-140			

Matrix Spike (3103021-MS2)

Source: T013646-41

Prepared & Analyzed: 10/27/23

1,1-Dichloroethylene	0.0667	0.00226	0.0102	mg/kg dry	0.0506	<	132	61-145			
Benzene	0.0582	0.00219	0.0102	"	0.0510	<	114	39-150			
Chlorobenzene	0.0684	0.00174	0.0102	"	0.0510	<	134	55-135			
Toluene	0.0678	0.00217	0.0102	"	0.0506	<	134	46-148			
Trichloroethylene	0.0561	0.00649	0.0102	"	0.0510	<	110	65-135			
Surrogate: 4-Bromofluorobenzene	0.0532			"	0.0512		104	60-140			
Surrogate: Dibromofluoromethane	0.0635			"	0.0510		124	60-140			
Surrogate: Toluene-d8	0.0525			"	0.0510		103	60-140			

Matrix Spike Dup (3103021-MSD1)

Source: T013646-21

Prepared & Analyzed: 10/27/23

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

VOLATILES - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3103021 - EPA 5030B

Matrix Spike Dup (3103021-MSD1)		Source: T013646-21			Prepared & Analyzed: 10/27/23						
1,1-Dichloroethylene	0.0599	0.00227	0.0103	mg/kg dry	0.0510	<	117	61-145	0.520	25	
Benzene	0.0702	0.00221	0.0103	"	0.0514	<	136	39-150	13.8	20	
Chlorobenzene	0.0682	0.00176	0.0103	"	0.0514	<	133	55-135	24.6	25	
Toluene	0.0658	0.00219	0.0103	"	0.0510	<	129	46-148	6.90	20	
Trichloroethylene	0.0564	0.00654	0.0103	"	0.0514	<	110	65-135	10.5	25	
Surrogate: 4-Bromofluorobenzene	0.0534			"	0.0516		103	60-140			
Surrogate: Dibromofluoromethane	0.0588			"	0.0514		114	60-140			
Surrogate: Toluene-d8	0.0537			"	0.0514		104	60-140			

Matrix Spike Dup (3103021-MSD2)		Source: T013646-41			Prepared & Analyzed: 10/27/23						
1,1-Dichloroethylene	0.0647	0.00225	0.0102	mg/kg dry	0.0505	<	128	61-145	3.04	25	
Benzene	0.0731	0.00219	0.0102	"	0.0509	<	143	39-150	22.7	20	
Chlorobenzene	0.0678	0.00174	0.0102	"	0.0509	<	133	55-135	0.931	25	
Toluene	0.0689	0.00217	0.0102	"	0.0505	<	136	46-148	1.53	20	
Trichloroethylene	0.0581	0.00648	0.0102	"	0.0509	<	114	65-135	3.46	25	
Surrogate: 4-Bromofluorobenzene	0.0544			"	0.0511		106	60-140			
Surrogate: Dibromofluoromethane	0.0623			"	0.0509		122	60-140			
Surrogate: Toluene-d8	0.0538			"	0.0509		106	60-140			

Batch 3103022 - EPA 5030B

Blank (3103022-BLK1)		Prepared & Analyzed: 10/26/23									
Benzene	< 0.00215	0.00215	0.0100	mg/kg wet							U
Ethylbenzene	< 0.00195	0.00195	0.0100	"							U
Toluene	< 0.00213	0.00213	0.0100	"							U
Xylenes, total	< 0.00466	0.00466	0.0100	"							U

Blank (3103022-BLK2)		Prepared & Analyzed: 10/27/23									
Benzene	< 0.00215	0.00215	0.0100	mg/kg wet							U
Ethylbenzene	< 0.00195	0.00195	0.0100	"							U
Toluene	< 0.00213	0.00213	0.0100	"							U
Xylenes, total	< 0.00466	0.00466	0.0100	"							U

LCS (3103022-BS1)		Prepared & Analyzed: 10/26/23									
1,1-Dichloroethylene	0.0534	0.00221	0.0100	mg/kg wet	0.0496		108	61-145			
Benzene	0.0534	0.00215	0.0100	"	0.0500		107	39-150			


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

VOLATILES - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3103022 - EPA 5030B
LCS (3103022-BS1)

Prepared & Analyzed: 10/26/23

Chlorobenzene	0.0536	0.00171	0.0100	mg/kg wet	0.0500		107	55-135		
Toluene	0.0563	0.00213	0.0100	"	0.0496		114	46-148		
Trichloroethylene	0.0514	0.00636	0.0100	"	0.0500		103	65-135		
Surrogate: 4-Bromofluorobenzene	0.0518			"	0.0502		103	60-140		
Surrogate: Dibromofluoromethane	0.0519			"	0.0500		104	60-140		
Surrogate: Toluene-d8	0.0554			"	0.0500		111	60-140		

LCS (3103022-BS2)

Prepared & Analyzed: 10/26/23

1,1-Dichloroethylene	0.0518	0.00221	0.0100	mg/kg wet	0.0496		104	61-145		
Benzene	0.0515	0.00215	0.0100	"	0.0500		103	39-150		
Chlorobenzene	0.0557	0.00171	0.0100	"	0.0500		111	55-135		
Toluene	0.0521	0.00213	0.0100	"	0.0496		105	46-148		
Trichloroethylene	0.0535	0.00636	0.0100	"	0.0500		107	65-135		
Surrogate: 4-Bromofluorobenzene	0.0546			"	0.0502		109	60-140		
Surrogate: Dibromofluoromethane	0.0507			"	0.0500		101	60-140		
Surrogate: Toluene-d8	0.0522			"	0.0500		104	60-140		

LCS Dup (3103022-BSD1)

Prepared & Analyzed: 10/26/23

1,1-Dichloroethylene	0.0572	0.00221	0.0100	mg/kg wet	0.0496		115	61-145	6.76	25
Benzene	0.0501	0.00215	0.0100	"	0.0500		100	39-150	6.45	20
Chlorobenzene	0.0544	0.00171	0.0100	"	0.0500		109	55-135	1.39	25
Toluene	0.0522	0.00213	0.0100	"	0.0496		105	46-148	7.63	20
Trichloroethylene	0.0516	0.00636	0.0100	"	0.0500		103	65-135	0.272	25
Surrogate: 4-Bromofluorobenzene	0.0534			"	0.0502		106	60-140		
Surrogate: Dibromofluoromethane	0.0582			"	0.0500		116	60-140		
Surrogate: Toluene-d8	0.0509			"	0.0500		102	60-140		

LCS Dup (3103022-BSD2)

Prepared & Analyzed: 10/26/23

1,1-Dichloroethylene	0.0595	0.00221	0.0100	mg/kg wet	0.0496		120	61-145	13.8	25
Benzene	0.0598	0.00215	0.0100	"	0.0500		120	39-150	14.9	20
Chlorobenzene	0.0505	0.00171	0.0100	"	0.0500		101	55-135	9.80	25
Toluene	0.0516	0.00213	0.0100	"	0.0496		104	46-148	0.926	20
Trichloroethylene	0.0516	0.00636	0.0100	"	0.0500		103	65-135	3.56	25
Surrogate: 4-Bromofluorobenzene	0.0526			"	0.0502		105	60-140		
Surrogate: Dibromofluoromethane	0.0595			"	0.0500		119	60-140		


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

VOLATILES - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3103022 - EPA 5030B
LCS Dup (3103022-BSD2)

Prepared & Analyzed: 10/26/23

Surrogate: Toluene-d8 0.0518 mg/kg wet 0.0500 104 60-140

Matrix Spike (3103022-MS1)

Source: T013647-18

Prepared & Analyzed: 10/27/23

1,1-Dichloroethylene	0.0521	0.00186	0.00841	mg/kg dry	0.0521	<	100	61-145
Benzene	0.0616	0.00181	0.00841	"	0.0526	<	117	39-150
Chlorobenzene	0.0548	0.00144	0.00841	"	0.0526	<	104	55-135
Toluene	0.0541	0.00179	0.00841	"	0.0521	<	104	46-148
Trichloroethylene	0.0465	0.00535	0.00841	"	0.0526	<	88.4	65-135
Surrogate: 4-Bromofluorobenzene	0.0426			"	0.0528		80.7	60-140
Surrogate: Dibromofluoromethane	0.0494			"	0.0526		94.0	60-140
Surrogate: Toluene-d8	0.0421			"	0.0526		80.1	60-140

Matrix Spike (3103022-MS2)

Source: T013648-01

Prepared & Analyzed: 10/27/23

1,1-Dichloroethylene	0.0535	0.00186	0.00842	mg/kg dry	0.0522	<	103	61-145
Benzene	0.0597	0.00181	0.00842	"	0.0526	<	113	39-150
Chlorobenzene	0.0552	0.00144	0.00842	"	0.0526	<	105	55-135
Toluene	0.0528	0.00179	0.00842	"	0.0522	<	101	46-148
Trichloroethylene	0.0462	0.00536	0.00842	"	0.0526	<	87.7	65-135
Surrogate: 4-Bromofluorobenzene	0.0439			"	0.0529		83.0	60-140
Surrogate: Dibromofluoromethane	0.0504			"	0.0526		95.8	60-140
Surrogate: Toluene-d8	0.0423			"	0.0526		80.4	60-140

Matrix Spike Dup (3103022-MSD1)

Source: T013647-18

Prepared & Analyzed: 10/27/23

1,1-Dichloroethylene	0.0509	0.00185	0.00838	mg/kg dry	0.0519	<	98.0	61-145	2.48	25
Benzene	0.0564	0.00180	0.00838	"	0.0523	<	108	39-150	8.82	20
Chlorobenzene	0.0562	0.00143	0.00838	"	0.0523	<	107	55-135	2.64	25
Toluene	0.0541	0.00178	0.00838	"	0.0519	<	104	46-148	0.00887	20
Trichloroethylene	0.0458	0.00533	0.00838	"	0.0523	<	87.5	65-135	1.43	25
Surrogate: 4-Bromofluorobenzene	0.0432			"	0.0526		82.2	60-140		
Surrogate: Dibromofluoromethane	0.0494			"	0.0523		94.4	60-140		
Surrogate: Toluene-d8	0.0434			"	0.0523		83.0	60-140		

Matrix Spike Dup (3103022-MSD2)

Source: T013648-01

Prepared & Analyzed: 10/27/23

1,1-Dichloroethylene	0.0572	0.00187	0.00846	mg/kg dry	0.0524	<	109	61-145	6.69	25
Benzene	0.0665	0.00182	0.00846	"	0.0529	<	126	39-150	10.9	20
Chlorobenzene	0.0576	0.00145	0.00846	"	0.0529	<	109	55-135	4.30	25

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

VOLATILES - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3103022 - EPA 5030B

Matrix Spike Dup (3103022-MSD2)		Source: T013648-01			Prepared & Analyzed: 10/27/23						
Toluene	0.0559	0.00180	0.00846	mg/kg dry	0.0524	<	107	46-148	5.63	20	
Trichloroethylene	0.0469	0.00538	0.00846	"	0.0529	<	88.7	65-135	1.49	25	
Surrogate: 4-Bromofluorobenzene	0.0468			"	0.0531		88.1	60-140			
Surrogate: Dibromofluoromethane	0.0520			"	0.0529		98.4	60-140			
Surrogate: Toluene-d8	0.0444			"	0.0529		84.0	60-140			


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

TOTAL PETROLEUM HYDROCARBONS - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3102722 - TCEQ Prep/5035
Blank (3102722-BLK1)

Prepared: 10/27/23 Analyzed: 10/29/23

Diesel Range Organics(DRO)	< 0.210	0.210	10.0	mg/kg wet						U
Gas Range Organics(GRO)	< 0.187	0.187	10.0	"						U
Motor Oil Organics(MRO)	< 0.210	0.210	10.0	"						U
Total TPH	0.00			"						U
Surrogate: 1-Chlorooctadecane	63.2			"	75.0		84.2	70-130		
Surrogate: 1-Chlorooctane	55.2			"	74.1		74.5	70-130		

Blank (3102722-BLK2)

Prepared: 10/27/23 Analyzed: 10/30/23

Diesel Range Organics(DRO)	< 0.210	0.210	10.0	mg/kg wet						U
Gas Range Organics(GRO)	< 0.187	0.187	10.0	"						U
Motor Oil Organics(MRO)	< 0.210	0.210	10.0	"						U
Total TPH	0.00			"						U
Surrogate: 1-Chlorooctadecane	65.7			"	75.0		87.6	70-130		
Surrogate: 1-Chlorooctane	56.4			"	74.1		76.1	70-130		

LCS (3102722-BS1)

Prepared: 10/27/23 Analyzed: 10/29/23

Diesel Range Organics(DRO)	880	0.210	10.0	mg/kg wet	1000		88.0	0-200		
Gas Range Organics(GRO)	872	0.187	10.0	"	1000		87.2	0-200		
Surrogate: 1-Chlorooctadecane	60.5			"	75.0		80.7	70-130		
Surrogate: 1-Chlorooctane	63.9			"	74.1		86.3	70-130		

LCS (3102722-BS2)

Prepared: 10/27/23 Analyzed: 10/30/23

Diesel Range Organics(DRO)	872	0.210	10.0	mg/kg wet	1000		87.2	0-200		
Gas Range Organics(GRO)	871	0.187	10.0	"	1000		87.1	0-200		
Surrogate: 1-Chlorooctadecane	55.8			"	75.0		74.4	70-130		
Surrogate: 1-Chlorooctane	54.3			"	74.1		73.3	70-130		

LCS Dup (3102722-BSD1)

Prepared: 10/27/23 Analyzed: 10/29/23

Diesel Range Organics(DRO)	913	0.210	10.0	mg/kg wet	1000		91.3	0-200	3.74	200
Gas Range Organics(GRO)	936	0.187	10.0	"	1000		93.6	0-200	7.04	200
Surrogate: 1-Chlorooctadecane	62.7			"	75.0		83.6	70-130		
Surrogate: 1-Chlorooctane	68.9			"	74.1		93.0	70-130		

LCS Dup (3102722-BSD2)

Prepared: 10/27/23 Analyzed: 10/30/23

Diesel Range Organics(DRO)	859	0.210	10.0	mg/kg wet	1000		85.9	0-200	1.41	200
Gas Range Organics(GRO)	866	0.187	10.0	"	1000		86.6	0-200	0.554	200

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**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

TOTAL PETROLEUM HYDROCARBONS - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3102722 - TCEQ Prep/5035
LCS Dup (3102722-BSD2)

Prepared: 10/27/23 Analyzed: 10/30/23

Surrogate: 1-Chlorooctadecane	71.1			mg/kg wet	75.0		94.9	70-130		
Surrogate: 1-Chlorooctane	66.1			"	74.1		89.2	70-130		

Matrix Spike (3102722-MS1)

Source: T013646-21

Prepared: 10/27/23 Analyzed: 10/29/23

Diesel Range Organics(DRO)	849	0.216	10.3	mg/kg dry	1030	<	82.4	0-200		
Gas Range Organics(GRO)	861	0.193	10.3	"	1030	<	83.5	0-200		
Surrogate: 1-Chlorooctadecane	62.4			"	77.3		80.7	70-130		
Surrogate: 1-Chlorooctane	53.5			"	76.4		70.0	70-130		

Matrix Spike (3102722-MS2)

Source: T013646-41

Prepared: 10/27/23 Analyzed: 10/30/23

Diesel Range Organics(DRO)	1110	0.216	10.3	mg/kg dry	1030	<	108	0-200		
Gas Range Organics(GRO)	1080	0.193	10.3	"	1030	<	105	0-200		
Surrogate: 1-Chlorooctadecane	70.5			"	77.3		91.2	70-130		
Surrogate: 1-Chlorooctane	62.1			"	76.4		81.4	70-130		

Matrix Spike Dup (3102722-MSD1)

Source: T013646-21

Prepared: 10/27/23 Analyzed: 10/29/23

Diesel Range Organics(DRO)	904	0.217	10.3	mg/kg dry	1030	<	87.5	0-200	6.25	200
Gas Range Organics(GRO)	1040	0.193	10.3	"	1030	<	101	0-200	19.0	200
Surrogate: 1-Chlorooctadecane	83.9			"	77.5		108	70-130		
Surrogate: 1-Chlorooctane	81.6			"	76.5		107	70-130		

Matrix Spike Dup (3102722-MSD2)

Source: T013646-41

Prepared: 10/27/23 Analyzed: 10/30/23

Diesel Range Organics(DRO)	1090	0.216	10.3	mg/kg dry	1030	<	106	0-200	1.66	200	
Gas Range Organics(GRO)	1000	0.193	10.3	"	1030	<	97.2	0-200	7.61	200	
Surrogate: 1-Chlorooctadecane	43.8			"	77.3		56.6	70-130			S-04
Surrogate: 1-Chlorooctane	47.1			"	76.4		61.7	70-130			S-04

Batch 3102723 - TCEQ Prep/5035
Blank (3102723-BLK1)

Prepared: 10/27/23 Analyzed: 10/30/23

Diesel Range Organics(DRO)	< 0.210	0.210	10.0	mg/kg wet							U
Gas Range Organics(GRO)	< 0.187	0.187	10.0	"							U
Motor Oil Organics(MRO)	< 0.210	0.210	10.0	"							U
Total TPH	0.00			"							U
Surrogate: 1-Chlorooctadecane	63.6			"	75.0		84.8	70-130			
Surrogate: 1-Chlorooctane	51.2			"	74.1		69.1	70-130			


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

TOTAL PETROLEUM HYDROCARBONS - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 3102723 - TCEQ Prep/5035

Blank (3102723-BLK2) Prepared: 10/27/23 Analyzed: 10/31/23										
Diesel Range Organics(DRO)	< 0.210	0.210	10.0	mg/kg wet						U
Gas Range Organics(GRO)	< 0.187	0.187	10.0	"						U
Motor Oil Organics(MRO)	< 0.210	0.210	10.0	"						U
Total TPH	0.00			"						U
Surrogate: 1-Chlorooctadecane	73.3			"	75.0		97.8	70-130		
Surrogate: 1-Chlorooctane	61.4			"	74.1		82.9	70-130		

LCS (3102723-BS1) Prepared: 10/27/23 Analyzed: 10/30/23										
Diesel Range Organics(DRO)	877	0.210	10.0	mg/kg wet	1000		87.7	0-200		
Gas Range Organics(GRO)	827	0.187	10.0	"	1000		82.7	0-200		
Surrogate: 1-Chlorooctadecane	87.5			"	75.0		117	70-130		
Surrogate: 1-Chlorooctane	59.7			"	74.1		80.6	70-130		

LCS (3102723-BS2) Prepared: 10/27/23 Analyzed: 10/31/23										
Diesel Range Organics(DRO)	1000	0.210	10.0	mg/kg wet	1000		100	0-200		
Gas Range Organics(GRO)	972	0.187	10.0	"	1000		97.2	0-200		
Surrogate: 1-Chlorooctadecane	59.9			"	75.0		79.9	70-130		
Surrogate: 1-Chlorooctane	64.6			"	74.1		87.2	70-130		

LCS Dup (3102723-BSD1) Prepared: 10/27/23 Analyzed: 10/30/23										
Diesel Range Organics(DRO)	904	0.210	10.0	mg/kg wet	1000		90.4	0-200	3.02	200
Gas Range Organics(GRO)	819	0.187	10.0	"	1000		81.9	0-200	0.904	200
Surrogate: 1-Chlorooctadecane	95.8			"	75.0		128	70-130		
Surrogate: 1-Chlorooctane	62.2			"	74.1		84.0	70-130		

LCS Dup (3102723-BSD2) Prepared: 10/27/23 Analyzed: 10/31/23										
Diesel Range Organics(DRO)	827	0.210	10.0	mg/kg wet	1000		82.7	0-200	19.2	200
Gas Range Organics(GRO)	898	0.187	10.0	"	1000		89.8	0-200	7.92	200
Surrogate: 1-Chlorooctadecane	55.6			"	75.0		74.2	70-130		
Surrogate: 1-Chlorooctane	64.8			"	74.1		87.5	70-130		

Matrix Spike (3102723-MS1) Source: T013647-18 Prepared: 10/27/23 Analyzed: 10/30/23										
Diesel Range Organics(DRO)	1200	0.223	10.6	mg/kg dry	1060	<	113	0-200		
Gas Range Organics(GRO)	914	0.199	10.6	"	1060	<	86.1	0-200		
Surrogate: 1-Chlorooctadecane	116			"	79.6		146	70-130		S-04
Surrogate: 1-Chlorooctane	70.0			"	78.7		89.0	70-130		


**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

TOTAL PETROLEUM HYDROCARBONS - Quality Control
TTI ENVIRONMENTAL LABORATORIES

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3102723 - TCEQ Prep/5035										
Matrix Spike (3102723-MS2)		Source: T013648-01			Prepared: 10/27/23		Analyzed: 10/31/23			
Diesel Range Organics(DRO)	923	0.222	10.6	mg/kg dry	1060	80.5	79.8	0-200		
Gas Range Organics(GRO)	982	0.197	10.6	"	1060	<	93.0	0-200		
Surrogate: 1-Chlorooctadecane	33.9			"	79.2		42.8	70-130		S-04
Surrogate: 1-Chlorooctane	18.7			"	78.2		23.9	70-130		S-04
Matrix Spike Dup (3102723-MSD1)		Source: T013647-18			Prepared: 10/27/23		Analyzed: 10/30/23			
Diesel Range Organics(DRO)	987	0.222	10.6	mg/kg dry	1060	<	93.4	0-200	19.3	200
Gas Range Organics(GRO)	757	0.198	10.6	"	1060	<	71.7	0-200	18.8	200
Surrogate: 1-Chlorooctadecane	91.7			"	79.2		116	70-130		
Surrogate: 1-Chlorooctane	36.9			"	78.3		47.1	70-130		S-04
Matrix Spike Dup (3102723-MSD2)		Source: T013648-01			Prepared: 10/27/23		Analyzed: 10/31/23			
Diesel Range Organics(DRO)	807	0.222	10.6	mg/kg dry	1060	80.5	68.6	0-200	13.3	200
Gas Range Organics(GRO)	922	0.198	10.6	"	1060	<	87.1	0-200	6.29	200
Surrogate: 1-Chlorooctadecane	34.1			"	79.4		43.0	70-130		S-04
Surrogate: 1-Chlorooctane	12.2			"	78.5		15.6	70-130		S-04

**TTI ENVIRONMENTAL
LABORATORIES**

Project Name: WDDU 46
Project No: Sep-139-10

TTI Lab No: T013647
Date Received: 10/20/2023
Date Reported: 11/10/2023

Notes and Definitions

U	Analyte included in the analysis, but not detected
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect and/or required sample dilution.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
DF	Dilution Factor

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ENVIRONMENTAL
LABORATORIES
CHAIN OF CUSTODY RECORD

Page 1 of 1
Telephone: (817) 861-5322
FAX: (817) 261-1717
www.ttilabs.com

CLIENT NAME Hydro-Con				CLIENT CONTACT Steve Trammell				TEST PARAMETERS TPH (SW 8015M) BTEX (EPA 8260) Chloride (EPA 300)										LAB USE LAB NO. 7013647 ON ICE ☒ YES ☐ NO TEMP. OF COOLERS °C 4.3 3 4 5 6 >6 CUSTODY SEAL Cooler ☐ Y ☒ N Samples ☐ Y ☒ N SEAL INTACT Cooler ☐ Y ☒ N Samples ☐ Y ☒ N			
CLIENT ADDRESS 11263 South I35				PHONE (254) 655-4374																	
CITY, STATE, ZIP Lorena TX 76655				FAX																	
P.O. NO.				EMAIL strammell@hcexcavation.com																	
PROJECT NO. SEP-139-10				PROJECT NAME WDBU-46																	
PROJECT NAME WDBU-46				SAMPLER'S NAME Steve Trammell																	
Sample Collection								No. / Type Containers ²													
Date Ex: mm/dd/yy	Time Ex: hh:mm	(C)omp (G)rab	Matrix ¹	Sample Description				VOA	A/G 1 LT.	4 OZ.	P/O	PRES ³	TPH	BTEX	Chloride	DRY WT.	TRRP	HOLD ⁴	TTI Lab ID		
10/17/23	10:31	G	S	S1-1'						1		6	✓	✓	✓	✓			7013647-01		
10/17/23	10:30	G	S	S1-2'						1		6	✓	✓	✓	✓			7013647-02		
10/17/23	10:30	G	S	S1-3'						1		6	✓	✓	✓	✓			7013647-03		
10/17/23	10:29	G	S	S1-4'						1		6	✓	✓	✓	✓			7013647-04		
10/17/23	10:22	G	S	S2-1'						1		6	✓	✓	✓	✓			7013647-05		
10/17/23	10:21	G	S	S2-2'						1		6	✓	✓	✓	✓			7013647-06		
10/17/23	10:20	G	S	S2-3'						1		6	✓	✓	✓	✓			7013647-07		
10/17/23	10:20	G	S	S2-4'						1		6	✓	✓	✓	✓			7013647-08		
10/17/23	10:06	G	S	S3-1'						1		6	✓	✓	✓	✓			7013647-09		
10/17/23	10:05	G	S	S3-2'						1		6	✓	✓	✓	✓			7013647-10		
TURNAROUND TIME: ☒ STANDARD 5 Business Days ☐ 50% RUSH 3 Business Days ☐ 100% RUSH 1 Business Day / ASAP ☐ E.R. 300% RUSH Same Day / ASAP										1. MATRIX: WW-Wastewater; W-Water; S-Soil; SD-Solid; L-Liquid; A-Airbag; C-Charcoal Tube; SL-Sludge; O-Other 2. CONTAINERS: VOA-40ml vial; A/G-Amber or Glass 1 Liter; 4 oz-Glass Wide Mouth; P/O-Plastic or Other 3. PRES.: 1-None; 2-1:1HNO ₃ ; 3-1:1 HCL; 4-1:1 H ₂ SO ₄ ; 5-NaOH; 6-Ice; 7-Other 4. HOLD: Lab will hold samples for 30 (thirty) days.											
Relinquished by (Signature) 				Date 10/20/23	Time 9:57	Received By: (Signature) 				Date 10.20.23	Time 8:57	REMARKS: ☒ TTI Drop Off ☐ TTI Pickup TEMP GUN #12 new # 20200016 Client's delivery of samples to TTI constitutes acceptance to reimburse TTI as per the terms and conditions listed in the price schedule.									
Relinquished by (Signature)				Date	Time	Received By: (Signature)				Date	Time										
Relinquished by (Signature)				Date	Time	Received By: (Signature)				Date	Time										

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ENVIRONMENTAL LABORATORIES

CHAIN OF CUSTODY RECORD

Page 2 of 4
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CLIENT NAME Hydro-Con				CLIENT CONTACT Steve Trammell				TEST PARAMETERS TPH (SW 8015M) BTEX (EPA 8260) Chloride (EPA 300)																			
CLIENT ADDRESS 11263 South I35				PHONE (254) 655-4374																							
CITY, STATE, ZIP Lorena TX 76655				FAX																							
P.O. NO.				EMAIL strammell@hcexcavation.com																							
PROJECT NO. SEP-139-10				PROJECT NAME WDDU-46				SAMPLER'S NAME Steve Trammell																			
Sample Collection								No. / Type Containers ²																			
Date Ex: mm/dd/yy	Time Ex: hh:mm	(C)omp (G)rab	Matrix ¹	Sample Description				VOA	A/G 1 LT.	4 OZ.	P/O	PRES ³	TPH	BTEX	Chloride								DRY WT.	TRRP	HOLD ⁴	TTI Lab ID	
10/17/23	10:04	G	S	S3-3'						1		6	✓	✓	✓								✓			T013647-11	
10/17/23	10:04	G	S	S3-4'						1		6	✓	✓	✓								✓			T013647-12	
10/17/23	10:42	G	S	S4-1'						1		6	✓	✓	✓								✓			T013647-13	
10/17/23	10:42	G	S	S4-2'						1		6	✓	✓	✓								✓			T013647-14	
10/17/23	10:41	G	S	S4-3'						1		6	✓	✓	✓								✓			T013647-15	
10/17/23	10:40	G	S	S4-4'						1		6	✓	✓	✓								✓			T013647-16	
10/17/23	10:14	G	S	S5-1'						1		6	✓	✓	✓								✓			T013647-17	
10/17/23	10:13	G	S	S5-2'						1		6	✓	✓	✓								✓			T013647-18	
10/17/23	10:12	G	S	S5-3'						1		6	✓	✓	✓								✓			T013647-19	
10/17/23	10:11	G	S	S5-4'						1		6	✓	✓	✓								✓			T013647-20	
TURNAROUND TIME: ☒ STANDARD 5 Business Days ☐ 50% RUSH 3 Business Days ☐ 100% RUSH 1 Business Day / ASAP ☐ E.R. 300% RUSH Same Day / ASAP																											
Relinquished by (Signature) 				Date 10/20/23	Time 8:57	Received By: (Signature) 				Date 10.20.23	Time 8:57	REMARKS: ☒ TTI Drop Off ☐ TTI Pickup TEMP GUN #12 REV # 20200016 Clients delivery of samples to TTI constitutes acceptance to reimburse TTI as per the terms and conditions listed in the price schedule.															
Relinquished by (Signature)				Date	Time	Received By: (Signature)				Date	Time																
Relinquished by (Signature)				Date	Time	Received By: (Signature)				Date	Time																

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

QUESTIONS

Action 353659

QUESTIONS

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID:
	330949
	Action Number:
	353659
Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nGRL0912837220
Incident Name	NGRL0912837220 WDDU 46 @ 30-025-12273
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-12273] WEST DOLLARHIDE DRINKARD UNIT #046

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WDDU 46
Date Release Discovered	04/03/2009
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Fitting Produced Water Released: 55 BBL Recovered: 10 BBL Lost: 45 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 353659

QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID:	330949
	Action Number:	353659
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Spencer Jackson Title: Senior Remediation Specialist Email: spencer.jackson@scoutep.com Date: 06/12/2024
--	---

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QUESTIONS, Page 3

Action 353659

QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID:
	330949
	Action Number:
	353659
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

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 75 and 100 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
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	Greater than 5 (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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	1350
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	23.8
GRO+DRO	(EPA SW-846 Method 8015M)	23.8
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	09/23/2024
On what date will (or did) the final sampling or liner inspection occur	09/27/2024
On what date will (or was) the remediation complete(d)	09/27/2024
What is the estimated surface area (in square feet) that will be reclaimed	8912
What is the estimated volume (in cubic yards) that will be reclaimed	330
What is the estimated surface area (in square feet) that will be remediated	8912
What is the estimated volume (in cubic yards) that will be remediated	1320

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 353659

QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID:	330949
	Action Number:	353659
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Spencer Jackson Title: Senior Remediation Specialist Email: spencer.jackson@scoutep.com Date: 06/12/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 353659

QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353659
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6
Action 353659

QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353659
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 353659

CONDITIONS

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353659
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation plan approved	6/13/2024
amaxwell	Release is located in low karst potential per BLM maps. Update C-141s and reports to reflect current karst status.	6/13/2024
amaxwell	Be sure to submit a C-141N for each day closure confirmation samples are collected.	6/13/2024
amaxwell	Submit a report via the OCD permitting portal by September 13, 2024.	6/13/2024