June 12, 2024

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 #42
Case No. (1RP-2142), Incident ID NGRL0909236372
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 8.10 miles northeast of Jal, in Unit A, Section 32, 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 March 11, 2009, internal corrosion on a 2" steel connection from the Water Injection Station failed releasing approximately 70 barrels (bbls) of produced water. The Initial C-141 Form stated free liquids were removed, but the recovered volume of produced water was noted as zero. According to the New Mexico Office of the State Engineers (NMOSE) database, there is a water well approximately 0.94 miles south of the Site with a depth to groundwater of 105 feet below ground surface (bgs). The Initial C-141 Form for this release was submitted to the New Mexico Oil Conservation Division (NMOCD) on March 17, 2009 and approved by NMOCD on April 2, 2009. The release was assigned remediation permit number 1RP-2142. 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 four 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.

- Chloride concentrations were detected as high as 946 mg/kg in 3 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**.

Next Steps
Scout intends to excavate out all areas which exceeded NMOCD screening criteria limit of 600 mg/kg chloride and 2500 mg/kg TPH within the original release area. The area will require approximately 34,559.87 square feet of surface area to be reclaimed. Approximately 3,549.77 cubic yards of soil are estimated to be remediated.

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

RECEIVED
MAR 18 2009
HOBBSOCD

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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 ; P.O. Drawer 29	Telephone No.: 432-523-3655 ext 7603
Facility Name : West Dollarhide Drinkard Unit	Facility Type : 2" Lateral line to well #42

Surface Owner : Chevron	Mineral Owner	Lease No.

LOCATION OF RELEASE

NEARBY WELL WDDU 042 API # 30-025-12321-00-00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	32	24S	38 E					

Latitude____ Longitude_____

NATURE OF RELEASE

Type of Release : Produce Water	Volume of Release : 70 bbls	Volume Recovered : 0 bbls
Source of Release	Date and Hour of Occurrence 3/11/2009 19:30	Date and Hour of Discovery 3/11/2009 20:15
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Called OCD	
By Whom? Ricky Heredia	Date and Hour : 03/12/2009 @ 15:30	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
NA

WATER @ 320'

Describe Cause of Problem and Remedial Action Taken.*
Internal Corrosion on 2" Steel IPC nipple from Water Injection Station failed releasing 70 bbls produce water

Describe Area Affected and Cleanup Action Taken.*
Free liquids were removed from the spill area The impacted area will be evaluated for depth and quantity of chlorides. If additional remediation is needed a workplan will be submitted to OCD describing the proposed actions to be taken.

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: Stephen Gwin	OIL CONSERVATION DIVISION
Printed Name: Stephen Gwin	Approved by District Supervisor: Jeffrey Lekmus
Title: Environmental Specialist	Approval Date: 04/02/09 Expiration Date: 06/01/09
E-mail Address: gwst@chevron.com	Conditions of Approval: SUBMIT FINAL C-141 BY Attached ☐
Date: 03/17/2009 Phone: 432-687-7575	IRP-09-3-2142

* Attach Additional Sheets If Necessary

fGRL0909235759

Attachment 2

Site Map


WDDU #42
Sample Locations
Legend
2023 Sampling Locations
S-1
WDDU #42
S-2
S-3
S-4
Google Earth
N
200 ft

Attachment 3

Analytical Report

T013648 WDDU-42													
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'	T013648-01	10/18/2023 10:17:00	<0.00228	<0.00226	<0.00207	<0.00495	ND	<0.197	80.5	80.5	<0.222	80.5	679
S1-2'	T013648-02	10/18/2023 10:18:00	<0.00232	<0.00230	<0.00210	<0.00503	ND	<0.201	16.3	16.3	<0.225	16.3	622
S1-3'	T013648-03	10/18/2023 10:19:00	<0.00229	<0.00227	<0.00208	<0.00496	ND	<0.199	<0.224	0.00	<0.224	0.00	549
S1-4'	T013648-04	10/18/2023 10:21:00	<0.00227	<0.00225	<0.00206	<0.00493	ND	<0.201	<0.226	0.00	<0.226	0.00	657
S2-1'	T013648-05	10/18/2023 10:25:00	<0.00222	<0.00220	<0.00201	<0.00481	ND	<0.194	<0.218	0.00	<0.218	0.00	599
S2-2'	T013648-06	10/18/2023 10:25:00	<0.00218	<0.00216	<0.00198	<0.00473	ND	<0.195	<0.219	0.00	<0.219	0.00	561
S2-3'	T013648-07	10/18/2023 10:26:00	<0.00224	<0.00222	<0.00203	<0.00486	ND	<0.196	<0.220	0.00	<0.220	0.00	646
S2-4'	T013648-08	10/18/2023 10:27:00	<0.00228	<0.00226	<0.00207	<0.00494	ND	<0.198	<0.223	0.00	<0.223	0.00	946
S3-1'	T013648-09	10/18/2023 10:30:00	<0.00219	<0.00217	<0.00198	<0.00474	ND	<0.192	<0.216	0.00	<0.216	0.00	894
S3-2'	T013648-10	10/18/2023 10:31:00	<0.00216	<0.00214	<0.00196	<0.00469	ND	<0.191	<0.214	0.00	<0.214	0.00	857
S3-3'	T013648-11	10/18/2023 10:34:00	<0.00216	<0.00214	<0.00196	<0.00468	ND	<0.191	<0.214	0.00	<0.214	0.00	522
S3-4'	T013648-12	10/18/2023 10:35:00	<0.00224	<0.00222	<0.00203	<0.00485	ND	<0.196	<0.220	0.00	<0.220	0.00	474
S4-1'	T013648-13	10/18/2023 10:39:00	<0.00220	<0.00218	<0.00200	<0.00477	ND	<0.191	<0.214	0.00	<0.214	0.00	41.5
S4-2'	T013648-14	10/18/2023 10:40:00	<0.00220	<0.00218	<0.00199	<0.00476	ND	<0.191	<0.214	0.00	<0.214	0.00	24.2
S4-3'	T013648-15	10/18/2023 10:41:00	<0.00217	<0.00215	<0.00197	<0.00471	ND	<0.191	<0.215	0.00	<0.215	0.00	18.1
S4-4'	T013648-16	10/18/2023 10:42:00	<0.00220	<0.00218	<0.00200	<0.00477	ND	<0.193	<0.216	0.00	<0.216	0.00	14.0

TTI ENVIRONMENTAL LABORATORIES

TEST REPORT

TTI Lab No: **T013648**

Customer ID: HC
PO #: ---
Date Collected: 10/18/23
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 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Client Sample ID	Laboratory ID	Matrix	Sampled:
S1-1'	T013648-01	Soil	10/18/2023
S1-2'	T013648-02	Soil	10/18/2023
S1-3'	T013648-03	Soil	10/18/2023
S1-4'	T013648-04	Soil	10/18/2023
S2-1'	T013648-05	Soil	10/18/2023
S2-2'	T013648-06	Soil	10/18/2023
S2-3'	T013648-07	Soil	10/18/2023
S2-4'	T013648-08	Soil	10/18/2023
S3-1'	T013648-09	Soil	10/18/2023
S3-2'	T013648-10	Soil	10/18/2023
S3-3'	T013648-11	Soil	10/18/2023
S3-4'	T013648-12	Soil	10/18/2023
S4-1'	T013648-13	Soil	10/18/2023
S4-2'	T013648-14	Soil	10/18/2023
S4-3'	T013648-15	Soil	10/18/2023
S4-4'	T013648-16	Soil	10/18/2023

800 106th Street ♦ Arlington, Texas 76011 Phone: (817) 861-5322 ♦ Fax: (817) 261 1717

TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-1'
TTI Sample No.: T013648-01

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	94.2	%		10/27/23
Chloride	SM4500-CL	0.263	0.841	10	679	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	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.222	10.6	1	80.5	mg/kg dry		10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.222	10.6	1	< 0.222	mg/kg dry	U	10/31/23
Total TPH	EPA 8015M			1	80.5	mg/kg dry		10/31/23
Surrogate: 1-Chlorooctane	*EPA 8015M*				79.4 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				85.9 %			

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	10/26/23
Toluene	EPA 8260	0.00226	0.0106	1	< 0.00226	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00207	0.0106	1	< 0.00207	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00495	0.0106	1	< 0.00495	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-2'
TTI Sample No.: T013648-02

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	92.3	%		10/27/23
Chloride	SM4500-CL	0.270	0.865	10	622	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	10.7	1	< 0.201	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.225	10.7	1	16.3	mg/kg dry		10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.225	10.7	1	< 0.225	mg/kg dry	U	10/31/23
Total TPH	EPA 8015M			1	16.3	mg/kg dry		10/31/23
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				80.3 %			
Surrogate: 1-Chlorooctane	*EPA 8015M*				70.0 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00232	0.0108	1	< 0.00232	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00230	0.0108	1	< 0.00230	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	0.00503	0.0108	1	< 0.00503	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-3'
TTI Sample No.: T013648-03

Sampled Date: 10/18/2023

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	0.263	0.841	10	549	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	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.224	10.6	1	< 0.224	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.224	10.6	1	< 0.224	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*				73.8 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				82.8 %			

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 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S1-4'
TTI Sample No.: T013648-04

Sampled Date: 10/18/2023

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	0.267	0.856	10	657	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	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.226	10.8	1	< 0.226	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.226	10.8	1	< 0.226	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*				74.0 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				83.0 %			

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	10/26/23
Toluene	EPA 8260	0.00225	0.0106	1	< 0.00225	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00206	0.0106	1	< 0.00206	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00493	0.0106	1	< 0.00493	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-1'
TTI Sample No.: T013648-05

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	96.3	%		10/27/23
Chloride	SM4500-CL	0.256	0.821	10	599	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	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.218	10.4	1	< 0.218	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.218	10.4	1	< 0.218	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*				81.2 %			
Surrogate: 1-Chlorooctane	*EPA 8015M*				74.5 %			

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 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-2'
TTI Sample No.: T013648-06

Sampled Date: 10/18/2023

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	0.828	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	10.4	1	< 0.195	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.219	10.4	1	< 0.219	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.219	10.4	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*				82.9 %			
Surrogate: 1-Chlorooctane	*EPA 8015M*				75.1 %			

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	10/26/23
Toluene	EPA 8260	0.00216	0.0101	1	< 0.00216	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00198	0.0101	1	< 0.00198	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00473	0.0101	1	< 0.00473	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-3'
TTI Sample No.: T013648-07

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	95.1	%		10/27/23
Chloride	SM4500-CL	0.262	0.839	10	646	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	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.220	10.5	1	< 0.220	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.220	10.5	1	< 0.220	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*				76.0 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				84.0 %			

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	0.00222	0.0104	1	< 0.00222	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	0.00486	0.0104	1	< 0.00486	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S2-4'
TTI Sample No.: T013648-08

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	94.2	%		10/27/23
Chloride	SM4500-CL	0.263	0.842	10	946	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	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.223	10.6	1	< 0.223	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.223	10.6	1	< 0.223	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*				83.5 %			
Surrogate: 1-Chlorooctane	*EPA 8015M*				75.4 %			

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	10/26/23
Toluene	EPA 8260	0.00226	0.0106	1	< 0.00226	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00207	0.0106	1	< 0.00207	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00494	0.0106	1	< 0.00494	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-1'
TTI Sample No.: T013648-09

Sampled Date: 10/18/2023

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	0.253	0.810	10	894	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	0.192	10.3	1	< 0.192	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.216	10.3	1	< 0.216	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.216	10.3	1	< 0.216	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*				73.2 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				82.4 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00219	0.0102	1	< 0.00219	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00217	0.0102	1	< 0.00217	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00198	0.0102	1	< 0.00198	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00474	0.0102	1	< 0.00474	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-2'
TTI Sample No.: T013648-10

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	96.8	%		10/27/23
Chloride	SM4500-CL	0.257	0.822	10	857	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	0.191	10.2	1	< 0.191	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.214	10.2	1	< 0.214	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.214	10.2	1	< 0.214	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*				70.7 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				80.8 %			

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	10/26/23
Toluene	EPA 8260	0.00214	0.0101	1	< 0.00214	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00196	0.0101	1	< 0.00196	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00469	0.0101	1	< 0.00469	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-3'
TTI Sample No.: T013648-11

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	96.9	%		10/27/23
Chloride	SM4500-CL	0.256	0.819	10	522	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	0.191	10.2	1	< 0.191	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.214	10.2	1	< 0.214	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.214	10.2	1	< 0.214	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*				74.8 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				82.4 %			

VOLATILES

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
Benzene	EPA 8260	0.00216	0.0100	1	< 0.00216	mg/kg dry	U	10/26/23
Toluene	EPA 8260	0.00214	0.0100	1	< 0.00214	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00196	0.0100	1	< 0.00196	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00468	0.0100	1	< 0.00468	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S3-4'
TTI Sample No.: T013648-12

Sampled Date: 10/18/2023

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	0.261	0.835	10	474	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	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.220	10.5	1	< 0.220	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.220	10.5	1	< 0.220	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*				71.6 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				81.4 %			

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	0.00222	0.0104	1	< 0.00222	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 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-1'
TTI Sample No.: T013648-13

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	97.6	%		10/27/23
Chloride	SM4500-CL	0.0510	0.163	2	41.5	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	0.191	10.2	1	< 0.191	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.214	10.2	1	< 0.214	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.214	10.2	1	< 0.214	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*				79.4 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				86.8 %			

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	10/26/23
Toluene	EPA 8260	0.00218	0.0102	1	< 0.00218	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00200	0.0102	1	< 0.00200	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00477	0.0102	1	< 0.00477	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-2'
TTI Sample No.: T013648-14

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	97.4	%		10/27/23
Chloride	SM4500-CL	0.0508	0.163	2	24.2	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	0.191	10.2	1	< 0.191	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.214	10.2	1	< 0.214	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.214	10.2	1	< 0.214	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*				80.8 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				87.2 %			

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	10/26/23
Toluene	EPA 8260	0.00218	0.0102	1	< 0.00218	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00199	0.0102	1	< 0.00199	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00476	0.0102	1	< 0.00476	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-3'
TTI Sample No.: T013648-15

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	97.5	%		10/27/23
Chloride	SM4500-CL	0.0507	0.162	2	18.1	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	0.191	10.2	1	< 0.191	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.215	10.2	1	< 0.215	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.215	10.2	1	< 0.215	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*				84.3 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				89.5 %			

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	10/26/23
Toluene	EPA 8260	0.00215	0.0101	1	< 0.00215	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00197	0.0101	1	< 0.00197	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00471	0.0101	1	< 0.00471	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
Date Received: 10/20/2023
Date Reported: 11/10/2023

Sample ID: S4-4'
TTI Sample No.: T013648-16

Sampled Date: 10/18/2023

CLASSICAL CHEMISTRY PARAMETERS

ANALYTE	METHOD NUMBER	SDL	MQL	DF	SAMPLE RESULTS	UNITS	FLG	ANALYSIS DATE
% Solids	160.3		0.100	1	96.8	%		10/27/23
Chloride	SM4500-CL	0.0510	0.163	2	14.0	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	0.193	10.3	1	< 0.193	mg/kg dry	U	10/31/23
Diesel Range Organics(DRO)	EPA 8015M	0.216	10.3	1	< 0.216	mg/kg dry	U	10/31/23
Motor Oil Organics(MRO)	EPA 8015M	0.216	10.3	1	< 0.216	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*				82.3 %			
Surrogate: 1-Chlorooctadecane	*EPA 8015M*				88.8 %			

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	10/26/23
Toluene	EPA 8260	0.00218	0.0102	1	< 0.00218	mg/kg dry	U	10/26/23
Ethylbenzene	EPA 8260	0.00200	0.0102	1	< 0.00200	mg/kg dry	U	10/26/23
Xylenes, total	EPA 8260	0.00477	0.0102	1	< 0.00477	mg/kg dry	U	10/26/23

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
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
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 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			
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	
Batch 3102616 - Default Prep GenChem											
Blank (3102616-BLK1)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	< 0.00500	0.00500	0.0160	mg/kg wet							U
Blank (3102616-BLK2)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	< 0.00500	0.00500	0.0160	mg/kg wet							U
LCS (3102616-BS1)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	4.79	0.00500	0.0160	mg/kg wet	5.00		95.8	80-120			

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
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
Batch 3102616 - Default Prep GenChem											
LCS (3102616-BS2)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	4.73	0.00500	0.0160	mg/kg wet	5.00		94.6	80-120			
LCS Dup (3102616-BSD1)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	4.83	0.00500	0.0160	mg/kg wet	5.00		96.6	80-120	0.832	20	
LCS Dup (3102616-BSD2)					Prepared: 10/26/23 Analyzed: 10/27/23						
Chloride	4.81	0.00500	0.0160	mg/kg wet	5.00		96.2	80-120	1.68	20	

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
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
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			
Chlorobenzene	0.0536	0.00171	0.0100	"	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	

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
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
Batch 3103022 - EPA 5030B												
LCS Dup (3103022-BSD1)					Prepared & Analyzed: 10/26/23							
Trichloroethylene	0.0516	0.00636	0.0100	mg/kg wet	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*			
Surrogate: Toluene-d8	*0.0518*			"	*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							

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
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
Batch 3103022 - EPA 5030B											
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	
Toluene	0.0559	0.00180	0.00846	"	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*			

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
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	%REC Limits	RPD	RPD Limit	Notes
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*			
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	

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TTI ENVIRONMENTAL LABORATORIES

Project Name: WDDU 42
Project No: Sep-139-09

TTI Lab No: T013648
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	%REC Limits	RPD	RPD Limit	Notes
Batch 3102723 - TCEQ Prep/5035											
LCS Dup (3102723-BSD2)					Prepared: 10/27/23 Analyzed: 10/31/23						
Surrogate: 1-Chlorooctadecane	*55.6*			*mg/kg wet*	*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*			
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*

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TTI ENVIRONMENTAL LABORATORIES

Project Name:	WDDU 42	TTI Lab No:	T013648
Project No:	Sep-139-09	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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TTI ENVIRONMENTAL LABORATORIES
CHAIN OF CUSTODY RECORD

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CLIENT NAME: Hydro-Con	CLIENT CONTACT: Steve Trammell
CLIENT ADDRESS: 11263 South I35	PHONE: (254) 655-4374
CITY, STATE, ZIP: Lorena TX 76655	FAX:
P.O. NO.: —	EMAIL: strammell@hcexcavation.com
	QUOTE NO.: —

PROJECT NO.	PROJECT NAME	SAMPLER'S NAME
SWEP-139-09	WDDU-42	Steve Trammell

LAB USE
LAB NO. T0136018
ON ICE: YES NO
TEMP.OF COOLERS °C 3.3
3 | 4 | 5 | 6 | >6
CUSTODY SEAL — Cooler: Y N — Samples: Y N
SEAL INTACT — Cooler: Y N — Samples: Y N

Sample Collection: Date Ex:mm/dd/yy	Time Ex:hh:mm	(C)omp (G)rab	1 Matrix	Sample Description	No. / Type Containers[2]: VOA	A/G 1 LT.	4 OZ.	P/O	PRES[3]	TPH (SW 8015M)	BTEX (EPA 8260)	Chloride (EPA 300)	DRY WT.	TRRP	HOLD[4]	TTI Lab ID
10/18/23	10:17	G	S	S1-1'			1		6	✔	✔	✔	✔			T0136018-01
10/18/23	10:18	G	S	S1-2'			1		6	✔	✔	✔	✔			T0136018-02
10/18/23	10:19	G	S	S1-3'			1		6	✔	✔	✔	✔			T0136018-03
10/18/23	10:21	G	S	S1-4'			1		6	✔	✔	✔	✔			T0136018-04
10/18/23	10:25	G	S	S2-1'			1		6	✔	✔	✔	✔			T0136018-05
10/18/23	10:25	G	S	S2-2'			1		6	✔	✔	✔	✔			T0136018-06
10/18/23	10:26	G	S	S2-3'			1		6	✔	✔	✔	✔			T0136018-07
10/18/23	10:27	G	S	S2-4'			1		6	✔	✔	✔	✔			T0136018-08
/18/23	10:30	G	S	S3-1'			1		6	✔	✔	✔	✔			T0136018-09
/18/23	10:31	G	S	S3-2'			1		6	✔	✔	✔	✔			T0136018-10

TURNAROUND TIME:
☑ STANDARD 5 Business Days ☐ 50% RUSH 3 Business Days ☐ 100% RUSH 1Business 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-Oil
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_2SO_4; 5-NaOH; 6-Ice; 7-Other
4.HOLD: Lab will hold samples for 30 (thirty) days.

Relinquished by (Signature)	Date	Time	Received By: (Signature)	Date	Time
	10/20/23	9:57		10.20.23	8:57
Relinquished by (Signature)	Date	Time	Received By: (Signature)	Date	Time
Relinquished by (Signature)	Date	Time	Received By: (Signature)	Date	Time

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.

800 106th Street
Arlington, Texas 76011

TTI ENVIRONMENTAL LABORATORIES

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

CHAIN OF CUSTODY RECORD

CLIENT NAME: Hydro-Con
CLIENT ADDRESS: 11263 South I35
CITY, STATE, ZIP: Lorena TX 76655
P.O. NO.: —

CLIENT CONTACT: Steve Trammell
PHONE: (254) 655-4374
FAX:
EMAIL: strammell@hcexcavation.com
QUOTE NO.: —

PROJECT NO.: SEP-139-09
PROJECT NAME: WDDU-42
SAMPLER'S NAME: Steve Trammell

LAB USE
LAB NO. T013648
ON ICE: ☑ YES ☐ NO
TEMP.OF COOLERS °C 3.3
3 | 4 | 5 | 6 | >6
CUSTODY SEAL
Cooler: ☐ Y ☑ N — Samples: ☐ Y ☑ N
SEAL INTACT
Cooler: ☐ Y ☐ N — Samples: ☐ Y ☐ N

Sample Collection Date Ex:mm/dd/yy	Time Ex:hh:mm	(C)omp (G)rab	Matrix[1]	Sample Description	No. / Type Containers[2] VOA	A/G 1 LT.	4 OZ.	P/O	PRES[3]	TPH (SW 8015M)	BTEX (EPA 8260)	Chloride (EPA 300)	DRY WT.	TRRP	HOLD[4]	TTI Lab ID
10/18/23	10:34	G	S	S3-3'			1		6	✔	✔	✔	✔			T013648-11
10/18/23	10:35	G	S	S3-4'			1		6	✔	✔	✔	✔			T013648-12
10/18/23	10:39	G	S	S4-1'			1		6	✔	✔	✔	✔			T013648-13
10/18/23	10:40	G	S	S4-2'			1		6	✔	✔	✔	✔			T013648-14
10/18/23	10:41	G	S	S4-3'			1		6	✔	✔	✔	✔			T013648-15 OT
10/18/23	10:42	G	S	S4-4'			1		6	✔	✔	✔	✔			~~T013648-16~~ 16 OT
		G	S				1		6	✔	✔	✔				T013648-16
		G	S				1		6	✔	✔	✔				
		G	S				1		6	✔	✔	✔				
		G	S				1		6	✔	✔	✔				

OT 10.20.23

TURNAROUND TIME:
☑ STANDARD 5 Business Days
☐ 50% RUSH 3 Business Days
☐ 100% RUSH 1Business 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-Oil
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3.PRES.: 1-None; 2-1:1 HNO_3; 3-1:1 HCL; 4-1:1 H_2SO_4; 5-NaOH; 6-Ice; 7-Other
4.HOLD: Lab will hold samples for 30 (thirty) days.

Relinquished by (Signature)	Date	Time	Received By: (Signature)	Date	Time
[signature]	10/20/23	857	[signature]	10.20.23	8:57
Relinquished by (Signature)	Date	Time	Received By: (Signature)	Date	Time
Relinquished by (Signature)	Date	Time	Received By: (Signature)	Date	Time

REMARKS: ☑ TTI Drop Off ☐ TTI Pickup

TEMP GUN #12

Rec # 70200016

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QUESTIONS

Action 353657

QUESTIONS

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353657
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nGRL0909236372**
Incident Name	**NGRL0909236372 WEST DOLLARHIDE DRINKARD UNIT #042 @ 30-025-12321**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-025-12321] WEST DOLLARHIDE DRINKARD UNIT #042**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WEST DOLLARHIDE DRINKARD UNIT #042
Date Release Discovered	03/11/2009
Surface Owner	State

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 | Flow Line - Injection | Produced Water | Released: 700 BBL | Recovered: 0 BBL | Lost: 700 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 (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353657
	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 (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353657
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	Yes
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)	946
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	80.5
GRO+DRO (EPA SW-846 Method 8015M)	80.5
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	08/12/2024
On what date will (or did) the final sampling or liner inspection occur	08/23/2024
On what date will (or was) the remediation complete(d)	08/23/2024
What is the estimated surface area (in square feet) that will be reclaimed	34559.9
What is the estimated volume (in cubic yards) that will be reclaimed	1280
What is the estimated surface area (in square feet) that will be remediated	34559.9
What is the estimated volume (in cubic yards) that will be remediated	3549.8
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 (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353657
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*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.*
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 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
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 (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353657
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS (continued)

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 353657
	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 353657

CONDITIONS

Operator:	OGRID:
SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	330949
	Action Number: 353657
	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	BLM map indicates location is located in low karst potential. Please update future C-141 filings and reports with current karst potential.	6/13/2024
amaxwell	Reclamation of areas that are NOT reasonably needed for production operations or subsequent drilling operations, must be reclaimed as soon as possible following remediation.	6/13/2024
amaxwell	Submit C-141N notifications for each day confirmation sampling is to occur.	6/13/2024
amaxwell	Submit report via the OCD permitting portal by September 13, 2024.	6/13/2024