1. OCD approves removing 4 feet of soil in the affected areas.
2. Ensure confirmation sample in the same area as S4.
3. Ensure BLM approval/concurrence.

ENVIRO CLEAN SERVICES, L.L.C.

August 4, 2015

Mr. Ronald A. Conaway, Operations Manager
Raging Bull Oilfield Services
2007 Algerita St,
Carlsbad, NM 88220

RE: Trionyx 6 Fed 5H Produced Water Release Delineation
Sec. 6 T23S S32E, Lea County, NM

Dear Mr. Conaway:

Raging Bull Oilfield Services (Raging Bull) retained Enviro Clean Services, LLC (ECS) to collect soil samples near the Trionyx 6 Fed 5H site located in Lea County, New Mexico (approximately 32.15322°N, 103.71263°W), following a produced water release. **Figure 1** is a site map depicting the area of release and soil sample locations. The affected area is in a Devon water line, Plains Pipeline, and a power line easement to the north of the Trionyx facility.

The New Mexico Oil Conservation Division's (OCD) Form C-141 prepared for this site indicates that on the afternoon of June 17, 2015, a lay flat line released 75 barrels (bbls) of produced water, with two bbls recovered by vacuum truck. The net loss is 73 bbls of produced water.

On July 24, 2015, ECS field personnel collected soil samples from five locations within the impacted area. Sample depths were from the surface and at one-foot intervals to three feet below ground surface (bgs). The samples were transported under chain-of-custody to Permian Basin Environmental Lab, LP in Midland, Texas using industry standards for care and preservation. All samples were analyzed for Chlorides (EPA method 300.0) and Total Petroleum Hydrocarbons (TPH, EPA method 8015M).

General Site Characteristics

The affected property is along a pipeline right-of-way leased from the Bureau of Land Management (BLM). The *Geologic Map of New Mexico* (NMBGMR, 2003) indicates the site's surface geology is comprised of Qep – Quaternary eolian and piedmont deposits (Holocene to middle Pleistocene). This designation is for interlayed eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. The unit is typically capped by thin eolian deposits. The Natural Resource Conservation Service identifies the local soils as PT – Pyote loamy fine sand, which consist of sandy eolian deposits derived from sedimentary rock, typically with a profile of loamy fine sand at the surface, with fine

2405 E. County Road 123 ▪ Midland, Texas ▪ 432.301.0209
www.EnviroCleanPS.com

sandy loam at a depth of five feet. These descriptions are consistent with the affected native soils.

The OCD Recommended Remediation Action Levels (RRALs) are a ranking system used to evaluate regulatory requirements. RRALs are based on depth to water, wellhead protection area distance, and the distance to surface water bodies. The nearest water well is more than a mile away, and the reported depth to groundwater is approximately 636 feet bgs. There is no surface water within several miles of the site.

Using the site-specific data, the RRALs for the site are 10 parts per million (ppm, or mg/Kg) benzene, 50 ppm BTEX, and 5,000 ppm TPH. All of the sample locations exhibited elevated levels of chlorides at varying depths when compared to this standard. **Table 1** summarizes the analytical results, and the laboratory analytical report and chain of custody documentation are attached for your records.

Table 1 – Analytical Results Summary

Sample ID	Depth (feet)	Date Collected	TPH C6-C12	TPH >C12-C28	TPH >C28-C35	Total TPH	Chlorides*
RRAL			**---**	**---**	**---**	**5,000**	**1,000**
001	0	7/24/2015	<26.0	**33.6**	**68.5**	**102**	**5,420**
001A	1	7/24/2015	<26.0	<26.0	<26.0	<26.0	**1,780**
001B	2	7/24/2015	<26.0	<26.0	<26.0	<26.0	**42.0**
001C	3	7/24/2015	<26.0	<26.0	<26.0	<26.0	**52.0**
002	0	7/24/2015	<26.9	<26.9	<26.9	<26.9	**15.3**
002A	1	7/24/2015	<27.5	<27.5	<27.5	<27.5	**18.6**
002B	2	7/24/2015	<28.7	<28.7	<28.7	<28.7	**83.9**
002C	3	7/24/2015	<27.2	<27.2	<27.2	<27.2	**7,960**
003	0	7/24/2015	<26.9	<26.9	<26.9	<26.9	**53**
003A	1	7/24/2015	<26.9	<26.9	<26.9	<26.9	**297**
003B	2	7/24/2015	<26.9	<26.9	<26.9	<26.9	**10,100**
003C	3	7/24/2015	<27.5	<27.5	<27.5	<27.5	**812**
004	0	7/24/2015	<26.9	<26.9	<26.9	<26.9	**15.8**
004A	1	7/24/2015	<26.9	<26.9	<26.9	<26.9	**22.9**
004B	2	7/24/2015	<27.8	<27.8	<27.8	<27.8	**14,100**
004C	3	7/24/2015	<27.8	<27.8	<27.8	<27.8	**55.6**
005	0	7/24/2015	<26.6	<26.6	<26.6	<26.6	**1,040**
005A	1	7/24/2015	<25.8	<25.8	<25.8	<25.8	**85,600**
005B	2	7/24/2015	<26.6	<26.6	<26.6	<26.6	**426**
005C	3	7/24/2015	<27.2	<27.2	<27.2	<27.2	**358**
BG	0	7/24/2015	<25.8	<25.8	<25.8	<25.8	**12.5**
BG 1'	1	7/24/2015	<25.5	<25.5	<25.5	<25.5	**7.28**
BG 2'	2	7/24/2015	<25.5	<25.5	<25.5	<25.5	**6.53**

All values are in milligrams per kilogram (mg/Kg, ppm) Analyte detections are **bolded.**
Values that exceed the Recommended Remediation Action Levels (RRAL) are shaded.
*Chloride values are site specific; 1,000 is a regionally accepted target value.

Oil Conservation Division Work Plan

Based on the analytical result, the impacted soils are less than two feet bgs in the vicinity of 001 and 005, the extreme ends of the flow area. Within the vicinity of sample collection points 002,

003, and 004 the surface is unimpacted, but elevated chloride concentrations are detected at two and three feet depths. These higher concentrations at depths may be due to lower clay content soil allowing the produced water to drain quicker to the subsurface, leaving little chloride adsorption to the sands. The recommended course of action would be to excavate impacted soils and either blending to dilute concentrations or replacing the impacted soils as directed by the BLM (surface owner). With Raging Bull's concurrence, ECS will prepare a cost estimate to surgically excavate these locations and collect vertical delineation confirmation samples.

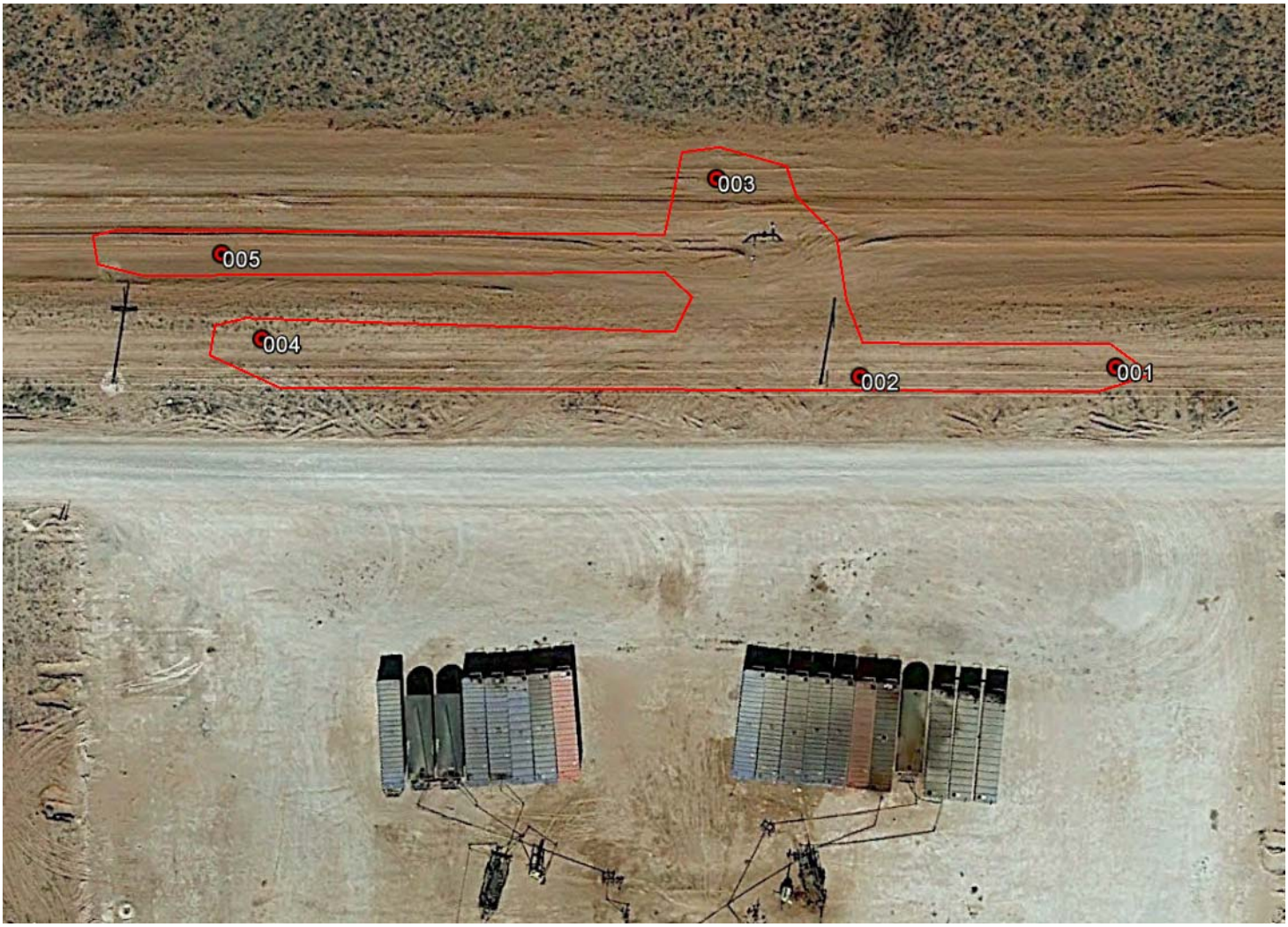
ECS appreciates the opportunity to be of service to Raging Bull. If you have any questions about the information presented in this report, please contact me at bgreen@envirocleanps.com or at 432.301.0209.

Sincerely,

Enviro Clean Services, LLC

William D. Green, PG
Geologist, Texas No. 136

Attachments: Figure 1: Area of Release and Soil Sample Locations
Initial C-141
Laboratory Analytical Report and Chain of Custody Documentation
Photographic Documentation



Sample Location GPS Points		
Sample Location	**Latitude**	**Longitude**
001	N32.15322°	W103.71263°
002	N32.15321°	W103.71295°
003	N32.15342°	W103.71313°
004	N32.15325°	W103.71370°
005	N32.15334°	W103.71375°

Area of Release and Soil Sample Locations
Raging Bull Oilfield Services
Trionyx
S6 T23S R32E
Lea County, NM

Scale: Not to Scale	ENVIRO CLEAN SERVICES, L.L.C.	Drawn By: ECS
Date: 8/3/2015		Project Mgr.: ECS
2405 E. Co. Rd. 123, Midland, Texas 79706		
Project No.: RBLRNM0001		Figure: 1

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: **Devon Energy Production Co LP (6137)**	Contact: **Jeff Heath**
Address: **PO Box 250 Artesia, NM 88211**	Telephone No. **575- 513-2274**
Facility Name: **Trionyx 6 Fed 5H**	Facility Type : **Pasture**

Surface Owner: **Federal**	Mineral Owner: **Federal**	API No. **30-025-40045**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	**6**	**25S**	**32E**	**200**	**South**	**2310**	**East**	**Lea**

Latitude: 32.152576590387___ Longitude:__103.713316335273

NATURE OF RELEASE

Type of Release: **Produced Water**	Volume of Release: **75 bbls**	Volume Recovered: **2 bbls**
Source of Release: **Lay Flat Water Transfer Line**	Date and Hour of Occurrence **6/17/15, 3:30 PM**	Date and Hour of Discovery **6/17/15, 3:30 PM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **OCD- Thomas Obering** **BLM- Jim Amos**	
By Whom? **Jeff Heath, Devon Foreman**	Date and Hour: **6/17/15, 7:30 PM**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **N/A**	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Raging Bull employee started to transfer produced water from the Trionyx 6 Fed 5H location's water treating facility before he had driven and inspected the lay flat line. The line was uncoupled which caused the spill on the north side of the lease.

Describe Area Affected and Cleanup Action Taken.*

The spill occurred off location in the pasture in an area approximately 22,591 square feet. A vacuum truck was able to recover 2 barrels of the produced water. Talon will take soil samples and prepare a remediation plan.

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: **Denise Menoud**	Approved by Environmental Specialist:	
Title: **Field Admin Support**	Approval Date:	Expiration Date:
E-mail Address: **Denise.Menoud@dvn.com**	Conditions of Approval:	Attached ☐
Date: **6/18/2015** Phone: **575-746-5544**		

* Attach Additional Sheets If Necessary

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Joel Ortiz

EnviroClean PS

2405 E CR 123

Midland, TEXAS 79706

Project: Raging Bull

Project Number: Trionyx tank

Location: New Mexico

Lab Order Number: 5G28003

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704156-13-3

Report Date: 08/04/15

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAMPLE 001	5G28003-01	Soil	07/24/15 11:48	07-28-2015 10:25
SAMPLE 001A	5G28003-02	Soil	07/24/15 11:50	07-28-2015 10:25
SAMPLE 001B	5G28003-03	Soil	07/24/15 12:20	07-28-2015 10:25
SAMPLE 001C	5G28003-04	Soil	07/24/15 12:25	07-28-2015 10:25
SAMPLE 002	5G28003-05	Soil	07/24/15 12:30	07-28-2015 10:25
SAMPLE 002A	5G28003-06	Soil	07/24/15 12:35	07-28-2015 10:25
SAMPLE 002B	5G28003-07	Soil	07/24/15 12:35	07-28-2015 10:25
SAMPLE 002C	5G28003-08	Soil	07/24/15 12:40	07-28-2015 10:25
SAMPLE 003	5G28003-09	Soil	07/24/15 12:43	07-28-2015 10:25
SAMPLE 003A	5G28003-10	Soil	07/24/15 12:45	07-28-2015 10:25
SAMPLE 003B	5G28003-11	Soil	07/24/15 12:47	07-28-2015 10:25
SAMPLE 003C	5G28003-12	Soil	07/24/15 12:50	07-28-2015 10:25
SAMPLE 004	5G28003-13	Soil	07/24/15 12:52	07-28-2015 10:25
SAMPLE 004A	5G28003-14	Soil	07/24/15 12:54	07-28-2015 10:25
SAMPLE 004B	5G28003-15	Soil	07/24/15 12:55	07-28-2015 10:25
SAMPLE 004C	5G28003-16	Soil	07/24/15 13:00	07-28-2015 10:25
SAMPLE 005	5G28003-17	Soil	07/24/15 13:05	07-28-2015 10:25
SAMPLE 005A	5G28003-18	Soil	07/24/15 13:06	07-28-2015 10:25
SAMPLE 005B	5G28003-19	Soil	07/24/15 13:10	07-28-2015 10:25
SAMPLE 005C	5G28003-20	Soil	07/24/15 13:12	07-28-2015 10:25
BG	5G28003-21	Soil	07/24/15 11:53	07-28-2015 10:25
BG 1'	5G28003-22	Soil	07/24/15 11:55	07-28-2015 10:25
BG 2'	5G28003-23	Soil	07/24/15 11:57	07-28-2015 10:25

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

SAMPLE 001

5G28003-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5420**	26.0	mg/kg dry	25	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	**33.6**	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	**68.5**	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*80.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.9 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**102**	26.0	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

SAMPLE 001A

5G28003-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1780**	5.21	mg/kg dry	5	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*79.4 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.0 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

SAMPLE 001B

5G28003-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**42.0**	1.04	mg/kg dry	1	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*81.8 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.7 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

SAMPLE 001C

5G28003-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**52.0**	1.04	mg/kg dry	1	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*78.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*95.4 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

SAMPLE 002

5G28003-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**15.3**	1.08	mg/kg dry	1	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*82.7 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

SAMPLE 002A

5G28003-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**18.6**	1.10	mg/kg dry	1	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*74.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*91.1 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

SAMPLE 002B

5G28003-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**83.9**	1.15	mg/kg dry	1	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.7	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*78.4 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.2 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

SAMPLE 002C

5G28003-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7960**	27.2	mg/kg dry	25	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P5G3007	07/28/15	07/28/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*77.9 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*95.5 %*	*70-130*		*P5G3007*	*07/28/15*	*07/28/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	07/28/15	07/28/15	calc	

EnviroClean PS	Project: Raging Bull	Fax: (432) 301-0176
2405 E CR 123	Project Number: Trionyx tank	
Midland TEXAS, 79706	Project Manager: Joel Ortiz	

SAMPLE 003

5G28003-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**52.7**	1.08	mg/kg dry	1	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*80.4 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 003A

5G28003-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**297**	1.08	mg/kg dry	1	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*77.0 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*94.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 003B

5G28003-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10100**	53.8	mg/kg dry	50	P5G3010	07/28/15	07/30/15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*78.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*96.5 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 003C

5G28003-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**812**	1.10	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*76.8 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*95.0 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 004

5G28003-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**15.8**	1.08	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*79.7 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.5 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 004A

5G28003-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**22.9**	1.08	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*79.8 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.4 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

EnviroClean PS	Project: Raging Bull	Fax: (432) 301-0176
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Midland TEXAS, 79706	Project Manager: Joel Ortiz	

SAMPLE 004B

5G28003-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14100**	55.6	mg/kg dry	50	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*74.6 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*90.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 004C

5G28003-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10200**	55.6	mg/kg dry	50	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*76.1 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*93.4 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 005

5G28003-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1040**	1.06	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*72.7 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*89.3 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

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SAMPLE 005A

5G28003-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7940**	25.8	mg/kg dry	25	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P5G3007	07/28/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*73.7 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*90.2 %*	*70-130*		*P5G3007*	*07/28/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/28/15	07/29/15	calc	

SAMPLE 005B

5G28003-19 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**426**	1.06	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.0 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	07/29/15	07/29/15	calc	

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Midland TEXAS, 79706	Project Manager: Joel Ortiz	

SAMPLE 005C

5G28003-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**358**	1.09	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.8 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	07/29/15	07/29/15	calc	

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Midland TEXAS, 79706	Project Manager: Joel Ortiz	

BG

5G28003-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**12.5**	1.03	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*85.9 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/29/15	07/29/15	calc	

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Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

BG 1'

5G28003-22 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.28**	1.02	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.7 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	07/29/15	07/29/15	calc	

EnviroClean PS	Project: Raging Bull	Fax: (432) 301-0176
2405 E CR 123	Project Number: Trionyx tank	
Midland TEXAS, 79706	Project Manager: Joel Ortiz	

BG 2'

5G28003-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.53**	1.02	mg/kg dry	1	P5G3011	07/30/15	07/30/15	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P5G2901	07/29/15	07/29/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P5G3008	07/29/15	07/29/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.8 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P5G3008*	*07/29/15*	*07/29/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	07/29/15	07/29/15	calc	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G2901 - * DEFAULT PREP *** **										
Blank (P5G2901-BLK1)				Prepared & Analyzed: 07/29/15						
% Moisture	ND	0.1	%							
Duplicate (P5G2901-DUP1)		**Source: 5G28006-02**		Prepared & Analyzed: 07/29/15						
% Moisture	ND	0.1	%		1.0			200	20	
Duplicate (P5G2901-DUP2)		**Source: 5G28006-03**		Prepared & Analyzed: 07/29/15						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P5G2901-DUP3)		**Source: 5G28006-04**		Prepared & Analyzed: 07/29/15						
% Moisture	2.0	0.1	%		4.0			66.7	20	
Batch P5G3010 - * DEFAULT PREP *** **										
Blank (P5G3010-BLK1)				Prepared: 07/28/15 Analyzed: 07/30/15						
Chloride	ND	1.00	mg/kg wet							
LCS (P5G3010-BS1)				Prepared: 07/28/15 Analyzed: 07/30/15						
Chloride	99.7	1.00	mg/kg wet	100		99.7	80-120			
LCS Dup (P5G3010-BSD1)				Prepared: 07/28/15 Analyzed: 07/30/15						
Chloride	103	1.00	mg/kg wet	100		103	80-120	3.26	20	
Duplicate (P5G3010-DUP1)		**Source: 5G21002-02**		Prepared: 07/28/15 Analyzed: 07/30/15						
Chloride	2570	11.4	mg/kg dry		2570			0.0885	20	
Duplicate (P5G3010-DUP2)		**Source: 5G28003-02**		Prepared: 07/28/15 Analyzed: 07/30/15						
Chloride	1800	5.21	mg/kg dry		1780			1.02	20	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G3010 - * DEFAULT PREP *** **										
Matrix Spike (P5G3010-MS1)	**Source: 5G21002-02**			Prepared: 07/28/15 Analyzed: 07/30/15						
Chloride	3690	11.4	mg/kg dry	1140	2570	98.6	80-120			
Batch P5G3011 - * DEFAULT PREP *** **										
Blank (P5G3011-BLK1)				Prepared & Analyzed: 07/30/15						
Chloride	ND	1.00	mg/kg wet							
LCS (P5G3011-BS1)				Prepared & Analyzed: 07/30/15						
Chloride	102	1.00	mg/kg wet	100		102	80-120			
LCS Dup (P5G3011-BSD1)				Prepared & Analyzed: 07/30/15						
Chloride	105	1.00	mg/kg wet	100		105	80-120	3.47	20	
Duplicate (P5G3011-DUP1)	**Source: 5G28003-12**			Prepared & Analyzed: 07/30/15						
Chloride	810	1.10	mg/kg dry		812			0.244	20	
Duplicate (P5G3011-DUP2)	**Source: 5G28003-22**			Prepared & Analyzed: 07/30/15						
Chloride	6.87	1.02	mg/kg dry		7.28			5.77	20	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G3007 - TX 1005										
Blank (P5G3007-BLK1)				Prepared & Analyzed: 07/28/15						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*89.0*		*"*	*100*		*89.0*	*70-130*			
Surrogate: o-Terphenyl	*55.0*		*"*	*50.0*		*110*	*70-130*			
LCS (P5G3007-BS1)				Prepared & Analyzed: 07/28/15						
C6-C12	1100	25.0	mg/kg wet	1000		110	75-125			
>C12-C28	1010	25.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*55.1*		*"*	*50.0*		*110*	*70-130*			
LCS Dup (P5G3007-BSD1)				Prepared & Analyzed: 07/28/15						
C6-C12	948	25.0	mg/kg wet	1000		94.8	75-125	15.2	20	
>C12-C28	1020	25.0	"	1000		102	75-125	0.717	20	
Surrogate: 1-Chlorooctane	*114*		*"*	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*56.3*		*"*	*50.0*		*113*	*70-130*			
Batch P5G3008 - TX 1005										
Blank (P5G3008-BLK1)				Prepared & Analyzed: 07/29/15						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*84.3*		*"*	*100*		*84.3*	*70-130*			
Surrogate: o-Terphenyl	*52.2*		*"*	*50.0*		*104*	*70-130*			

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G3008 - TX 1005										
LCS (P5G3008-BS1)				Prepared & Analyzed: 07/29/15						
C6-C12	899	25.0	mg/kg wet	1000		89.9	75-125			
>C12-C28	916	25.0	"	1000		91.6	75-125			
Surrogate: 1-Chlorooctane	*106*		*"*	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*48.6*		*"*	*50.0*		*97.3*	*70-130*			
LCS Dup (P5G3008-BSD1)				Prepared & Analyzed: 07/29/15						
C6-C12	853	25.0	mg/kg wet	1000		85.3	75-125	5.25	20	
>C12-C28	946	25.0	"	1000		94.6	75-125	3.24	20	
Surrogate: 1-Chlorooctane	*100*		*"*	*100*		*100*	*70-130*			
Surrogate: o-Terphenyl	*49.6*		*"*	*50.0*		*99.2*	*70-130*			

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Raging Bull
Project Number: Trionyx tank
Project Manager: Joel Ortiz

Fax: (432) 301-0176

Notes and Definitions

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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 8/4/2015

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-686-7235

Project Manager: Joel Ortiz

Company Name: EnviroClean PS

Company Address: 2405 E CR 123

City/State/Zip: Midland Texas 79706

Telephone No: 432-301-0209 Fax No:

Sampler Signature: JOEL ORTIZ e-mail: sspringer@envirocleanps.com
~~jortiz@envirocleanps.com~~
dbecker@envirocleanps.com
hevans@envirocleanps.com
~~dpartain@envirocleanps.com~~
~~pbeckett@envirocleanps.com~~
kscott@envirocleanps.com

Project Name: Raging Bull

Project #: Trionyx tank

Project Loc: New Mexico

PO #: RBLRNM0001

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 562003

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	8015B	TPH: TX1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	SAMPLE 001			7/24/2015	11:48		1	X								S							X					X			X	
02	SAMPLE 001A				11:50																											
03	SAMPLE 001B				12:20																											
04	SAMPLE 001C				12:25																											
05	SAMPLE 002				12:30																											
06	SAMPLE 002A				12:35																											
07	SAMPLE 002B				12:35																											
08	SAMPLE 002C				12:40																											
09	SAMPLE 003				12:43																											
10	SAMPLE 003A				12:45																											

SEE Note

Special Instructions:
Call Bill Green for BTEX approval

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Ortiz	7/24/15	18:09			
	7/28	1025			
			Received by PBEL	7/28/15	10:25

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N
by Sampler/Client Rep ?	N
by Courier? UPS DHL FedEx Lone Star	

Temperature Upon Receipt:
Received: °C
Adjusted: 3.5 °C Factor NCF

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-686-7235

Project Manager: Joel Ortiz

Company Name: EnviroClean PS

Company Address: 2405 E CR 123

City/State/Zip: Midland Texas 79706

Telephone No: 432-301-0209 Fax No:

Sampler Signature: JOEL ORTIZ

Project Name: Raging Bull

Project #: Trionyx tank

Project Loc: New Mexico

PO #: RBLRNM0001

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: sspringer@envirocleanps.com
~~jortiz@envirocleanps.com~~
dbecker@envirocleanps.com
hevans@envirocleanps.com
~~dpartain@envirocleanps.com~~
~~cbeckett@envirocleanps.com~~
kscott@envirocleanps.com

(lab use only)
ORDER #: 576283

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 / 8015M / 8015B	TOTAL: TPH: TX 1005 / TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-11	SAMPLE 003B			7/24/2015	12:47		1	X								S				X					X				X	
-12	SAMPLE 003C				12:50																								
-13	SAMPLE 004				12:52																								
-14	SAMPLE 004A				12:54																								
-15	SAMPLE 004B				12:55																								
-16	SAMPLE 004C				1:00																								
-17	SAMPLE 005				1:05																								
-18	SAMPLE 005A				1:06																								
-19	SAMPLE 005B				1:10																								
-20	SAMPLE 005C				1:12																								

Special Instructions:
call Bill Green w/ TPH for BTEX approval

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Ortiz	7/24/15	8:09			
	7/28	1025			
			Received by PBEL:	7/28/15	10:25

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N
by Sampler/Client Rep. ?	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 3.5 °C
Adjusted: °C Factor NCF

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-686-7235

Project Manager: Joel Ortiz
Company Name: EnviroClean PS
Company Address: 2405 E CR 123
City/State/Zip: Midland Texas 79706
Telephone No: 432-301-0209 Fax No:
Sampler Signature: JOEL ORTIZ e-mail: sspringer@envirocleanps.com
~~dpartain@envirocleanps.com~~ ~~jortiz@envirocleanps.com~~
~~pbeckett@envirocleanps.com~~ dbecker@envirocleanps.com
hevans@envirocleanps.com
kscott@envirocleanps.com

Project Name: Raging Bull
Project #: Trionyx tank
Project Loc: New Mexico
PO #: RBLRNM0001
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 562800743

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 / 8015M	TOTAL: TPH: 8015B	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
21	BG			7/24/2015	11:53		1	X								S						X					X			X	
22	BG 1'				11:55																										
23	BG 2'				11:57																										
	~~BG 3'~~				~~12:01~~																										

Special Instructions:
Call Bill Green w/ TPH for BTEX approval

Relinquished by:	Date	Time	Received by:	Date	Time
Joel Ortiz	7/24/15	18:09			
	7/28	1025			
			Received by ELAB:	7/28/15	10:25

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	X	N
Labels on container(s)	Y	N
Custody seals on container(s)	X	N
Custody seals on cooler(s)	X	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 3.5 °C
Adjusted: 4.1 °C Factor NCF

Viewing East – Distressed vegetation is noted in the vicinity of soil sample 001.

Viewing Northwest – The foreground is the area of the point of release.

Viewing West – A portion of the released water appears to have flowed parallel near the road.

Viewing West from near sample point 001.

Viewing West – Stakes for sample points 003 (foreground) and 005 parallel the water line.

Viewing West – Sample point 005.