August 24, 2015

Mr. Brett Fulks
Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, NM 88210

**RE: Soil Sampling**
**Todd 36 D State #01 SWD**
**Sec. 36-23S-31E**
**Eddy County, NM**

Dear Mr. Fulks:

Devon Energy Corporation (Devon) retained Enviro Clean Services, LLC (ECS) to collect soil samples at the Todd 36 D State #01 SWD site located in Sec. 36-23S-31E, Eddy County, New Mexico (approximately 32.26272°N, 103.73338°W), following a produced water release. **Figure 1** is a site map depicting the area of release and soil sample locations.

The New Mexico Oil Conservation Division's (OCD) Form C-141 prepared for this site indicates that on the afternoon of January 21, 2015, a tank leak released 75 barrels (bbls) of produced water, with 50 bbls recovered by vacuum truck. The net loss is 25 bbls of produced water.

On January 26, 2015, ECS field personnel collected soil samples from five locations within the impacted area. Sample depths were from the surface and at one foot 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 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 using is 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 KM – Kermit-Berino fine sands, 0 to 3 percent slopes, which consist of mixed alluvium and/or eolian sands, typically with a profile of fine sand at the surface, with loamy fine sands at depth of five feet or more.



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

These descriptions are consistent with the surrounding native soils, but the impacted area is comprised of an engineered crushed limestone pad, with the imported materials being more than a foot thick to support storage tanks and vehicular traffic.

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 approximately a mile away, but depth to water is not reported. The closest well with a reported depth to water indicated groundwater is approximately 115 feet bgs. State Land Office Point of Diversion reports are attached for review. There is no surface water within several miles of the site.

*New Mexico Office of the State Engineer*

**Water Column/Average Depth to Water**

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-basin Code | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02405 | C | ED | | 4 | 1 | 02 | 24S | 31E | 617690 | 3568631* | 275 | 160 | 115 |
| C 02460 | C | ED | | | 3 | 02 | 24S | 31E | 617496 | 3568022* | 320 | | |
| C 02460 POD2 | C | ED | | | 3 | 02 | 24S | 31E | 617496 | 3568022* | 320 | | |
| C 02464 | C | ED | 3 | 4 | 1 | 02 | 24S | 31E | 617589 | 3568530* | 320 | 205 | 115 |

Average Depth to Water: **182 feet**
Minimum Depth: **160 feet**
Maximum Depth: **205 feet**

**Record Count:** 4

**Basin/County Search:**
County: Eddy

**PLSS Search:**
Section(s): 1, 2 Township: 24S Range: 31E

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 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 | 1/26/2015 | **37.1** | **126** | <27.8 | **163** | **4,540** |
| 001A | 1 | 1/26/2015 | <28.4 | <28.4 | <28.4 | <28.4 | **3,130** |
| 002 | 0 | 1/26/2015 | <27.8 | <27.8 | <27.8 | <27.8 | **4,530** |
| 002A | 1 | 1/26/2015 | <28.1 | <28.1 | <28.1 | <28.1 | **5,420** |
| 003 | 0 | 1/26/2015 | <28.7 | **37.3** | <28.7 | **37.3** | **5,670** |
| 003A | 1 | 1/26/2015 | <26.9 | <26.9 | <26.9 | <26.9 | **6,100** |
| 004 | 0 | 1/26/2015 | <26.6 | <26.6 | <26.6 | <26.6 | **1,760** |
| 004A | 1 | 1/26/2015 | <26.3 | <26.3 | <26.3 | <26.3 | **4,020** |
| 005 | 0 | 1/26/2015 | <28.4 | <28.4 | <28.4 | <28.4 | **10,300** |
| 005A | 1 | 1/26/2015 | <26.3 | **27.3** | <26.3 | **27.3** | **2,360** |

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 ppm is a common value where groundwater impact is unlikely.

## Oil Conservation Division Work Plan

Additional subsurface chloride vertical delineation is required for this site based on OCD guidance requirements.

For vertical delineation ECS recommends advancing soil borings until three samples at one foot intervals are field screened below 1,000 ppm chloride, or to approximately 30 feet bgs, whichever occurs first, in the area of sample point 002, between 003 and 004, and between 004 and 005. Soil samples will be field screened using an electrical conductivity meter and one-to-one soil-water solution, with laboratory samples to confirm the chloride content.

The release site is covered with an engineered carbonate surface, and the affected area does not support any vegetation. As a good stewardship measure, a one-foot bgs excavation of the caliche surface is proposed. A 30 mil polyethylene liner will be installed to prevent further percolation of chlorides, and the excavated area will be backfilled with material similar to that removed, matching the surface grade and esthetically restoring the site.

All excavated impacted soil will be transported to an approved NMOCD facility for disposal. With Devon's concurrence, ECS will prepare a cost estimate to return to the site and collect vertical delineation confirmation samples.

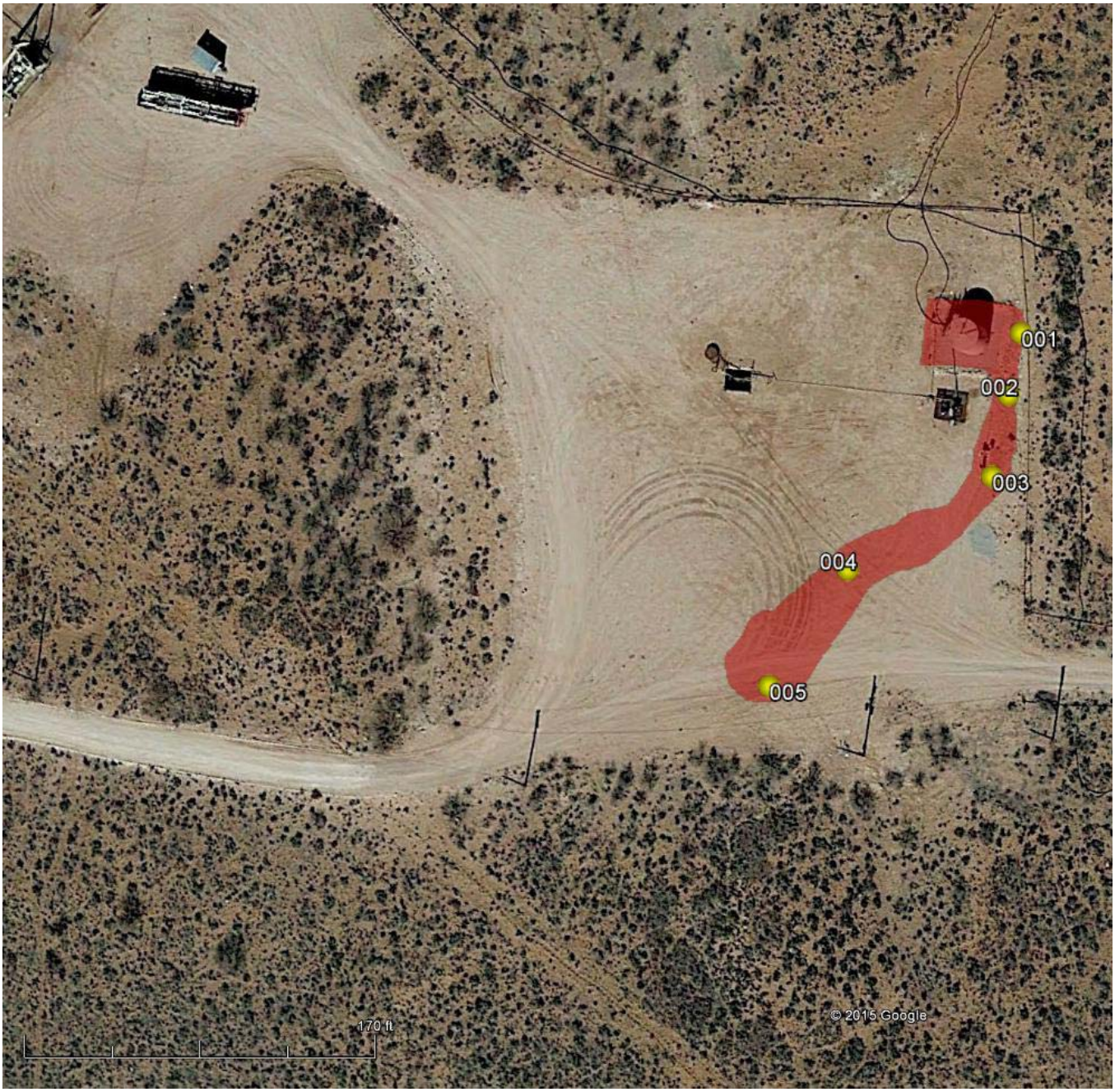
ECS appreciates the opportunity to be of service to Devon. If you have any questions about the information presented in this report, please contact me at bgreen@envirocleanps.com or at 432.301.0209.

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
State Land Office Point of Diversion Reports
Laboratory Analytical Report and Chain of Custody Documentation
Photographic Documentation




| Sample Location GPS Points | | |
|---|---|---|
| **Sample Location** | **Latitude** | **Longitude** |
| 001 | N32.262795 | W103.733226 |
| 002 | N32.262715 | W103.733245 |
| 003 | N32.262610 | W103.733270 |
| 004 | N32.262490 | W103.733490 |
| 005 | N32.262340 | W103.733610 |

Area of Release and Soil Sample Locations
Devon Energy Corporation
Todd 36 D State #01 SWD
Sec. 36-23S-31E
Eddy County, NM

| | | |
|---|---|---|
| Scale: Not to Scale | ENVIROCLEAN SERVICES, L.L.C. | Drawn By: ECS |
| Date: 3/4/2015 | | Project Mgr.: ECS |
| P O Box 721090, Oklahoma City, Oklahoma 73172 | | |
| Project No.: DVNRNM0012 | | 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** | Contact **Kevin Phillips** |
| Address **PO Box 250 Artesia, NM 88211** | Telephone No. **575- 748-3371** |
| Facility Name Todd 36 1 | Facility Type **SWD** |

| | | |
|---|---|---|
| Surface Owner State | Mineral Owner State | API No. **30-015-20341** |

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|---|---|---|---|---|---|---|---|---|
| **K** | **36** | **23S** | **31E** | **1980** | **WEST** | **1980** | **NORTH** | **EDDY** |

**Latitude:** 32.2626871870239 **Longitude:** 103.733599857938

## NATURE OF RELEASE

| | | |
|---|---|---|
| Type of Release Produced Water | Volume of Release 75 BBL | Volume Recovered 50 BBL |
| Source of Release Water tank leak | Date and Hour of Occurrence<br>1/21/15 2:00PM | Date and Hour of Discovery<br>1/21/15 2:00 PM |
| Was Immediate Notice Given?<br>☒ Yes ☐ No ☐ Not Required | If YES, To Whom?<br>BLM- Jeff Robertson<br>OCD- Mike Bratcher | |
| By Whom?<br>Kevin Phillips | Date and Hour<br>1/22/15 10:15 PM BLM<br>1/22/15 1:00 PM OCD | |
| Was a Watercourse Reached?<br>☐ Yes ☒ No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Hole in water tank.

Describe Area Affected and Cleanup Action Taken.*
Lease operator noticed a hole about 5' from the bottom of the tank. The containment was full and overflowing onto the location. 75 BBL total spill with 50 BBL recovered. Called SB Transportation for a vacuum truck to pick up water. Planning the cleanup with Enviro Clean.

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: *Jeanette Barron* | OIL CONSERVATION DIVISION | |
| Printed Name: **Jeanette Barron** | Approved by Environmental Specialist: | |
| Title: **Field Admin Support** | Approval Date: | Expiration Date: |
| E-mail Address: **Jeanette.barron@dvn.com** | Conditions of Approval: | Attached ☐ |
| Date: 1.23.15 Phone: **575-748-1813** | | |

* Attach Additional Sheets If Necessary

# New Mexico Office of the State Engineer

# Active & Inactive Points of Diversion

## (with Ownership Information)

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

| WR File Nbr | Sub basin | Use | Diversion | Owner | County | POD Number | Code | Grant | Source | q 6416 | q 4 | Sec | Tws | Rng | X | Y | Distance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02602 | C | SAN | 0 | POGO PRODUCING COMPANY | ED | C 02602 | | | | 2 | 2 | 35 | 23S | 31E | 618471 | 3570650* | 916 |

**Record Count:** 1

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 619300.79 **Northing (Y):** 3570260.75 **Radius:** 1600

**Sorted by:** Distance

***UTM location was derived from PLSS - see Help**

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-basin Code | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02405 | C | ED | | 4 | 1 | 02 | 24S | 31E | 617690 | 3568631* | 275 | 160 | 115 |
| C 02460 | C | ED | | | 3 | 02 | 24S | 31E | 617496 | 3568022* | 320 | | |
| C 02460 POD2 | C | ED | | | 3 | 02 | 24S | 31E | 617496 | 3568022* | 320 | | |
| C 02464 | C | ED | 3 | 4 | 1 | 02 | 24S | 31E | 617589 | 3568530* | 320 | 205 | 115 |

Average Depth to Water: **182 feet**

Minimum Depth: **160 feet**

Maximum Depth: **205 feet**

**Record Count:** 4

**Basin/County Search:**

**County:** Eddy

**PLSS Search:**

**Section(s):** 1, 2 **Township:** 24S **Range:** 31E

***UTM location was derived from PLSS - see Help**

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-basin Code | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02258 | C | ED | | 3 | 2 | 26 | 23S | 31E | 618055 | 3571853* | 662 | | |
| C 02348 | C | ED | 1 | 4 | 3 | 26 | 23S | 31E | 617648 | 3571068 | 700 | 430 | 270 |

Average Depth to Water: **430 feet**

Minimum Depth: **430 feet**

Maximum Depth: **430 feet**

**Record Count:** 2

**PLSS Search:**

**Section(s):** 25, 26, 35, 36 **Township:** 23S **Range:** 31E

***UTM location was derived from PLSS - see Help**

***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: Devon Todd 36 #1 SWD

Project Number: [none]

Location: New Mexico

Lab Order Number: 5A27002

NELAP/TCEQ # T104704156-13-3

Report Date: 02/03/15

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Devon Todd 36 #1 SWD
Project Number: [none]
Project Manager: Joel Ortiz

Fax: (432) 301-0176

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| 001 | 5A27002-01 | Soil | 01/26/15 17:00 | 01-27-2015 10:10 |
| 001 A | 5A27002-02 | Soil | 01/26/15 17:10 | 01-27-2015 10:10 |
| 002 | 5A27002-03 | Soil | 01/26/15 17:15 | 01-27-2015 10:10 |
| 002 A | 5A27002-04 | Soil | 01/26/15 17:20 | 01-27-2015 10:10 |
| 003 | 5A27002-05 | Soil | 01/26/15 17:25 | 01-27-2015 10:10 |
| 003 A | 5A27002-06 | Soil | 01/26/15 17:30 | 01-27-2015 10:10 |
| 004 | 5A27002-07 | Soil | 01/26/15 17:35 | 01-27-2015 10:10 |
| 004 A | 5A27002-08 | Soil | 01/26/15 17:40 | 01-27-2015 10:10 |
| 005 | 5A27002-09 | Soil | 01/26/15 17:45 | 01-27-2015 10:10 |
| 005 A | 5A27002-10 | Soil | 01/26/15 17:50 | 01-27-2015 10:10 |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

**001**

**5A27002-01 (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** | **4540** | 5.56 | mg/kg dry | 5 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **10.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| **C6-C12** | **37.1** | 27.8 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| **>C12-C28** | **126** | 27.8 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 27.8 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *112 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *122 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| **Total Petroleum Hydrocarbon C6-C35** | **163** | 27.8 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## 001 A

**5A27002-02 (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** | **3130** | 5.68 | mg/kg dry | 5 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **12.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 28.4 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C12-C28 | ND | 28.4 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 28.4 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *97.6 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *105 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 28.4 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

**002**

**5A27002-03 (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** | **4530** | 5.56 | mg/kg dry | 5 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **10.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 27.8 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C12-C28 | ND | 27.8 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 27.8 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *88.8 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *93.0 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 27.8 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## 002 A

**5A27002-04 (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** | **5420** | 11.2 | mg/kg dry | 10 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **11.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 28.1 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C12-C28 | ND | 28.1 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 28.1 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *111 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *127 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 28.1 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

**003**

**5A27002-05 (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** | **5670** | 11.5 | mg/kg dry | 10 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **13.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 28.7 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| **>C12-C28** | **37.3** | 28.7 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 28.7 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *118 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *125 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| **Total Petroleum Hydrocarbon C6-C35** | **37.3** | 28.7 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## 003 A

**5A27002-06 (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** | **6100** | 26.9 | mg/kg dry | 25 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **7.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 26.9 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C12-C28 | ND | 26.9 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 26.9 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *105 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *112 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 26.9 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

**004**

**5A27002-07 (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** | **1760** | 10.6 | mg/kg dry | 10 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **6.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 26.6 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C12-C28 | ND | 26.6 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 26.6 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *116 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *127 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 26.6 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## 004 A

**5A27002-08 (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** | **4020** | 10.5 | mg/kg dry | 10 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **5.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 26.3 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C12-C28 | ND | 26.3 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 26.3 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *114 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *125 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 26.3 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## 005

**5A27002-09 (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** | **10300** | 28.4 | mg/kg dry | 25 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **12.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 28.4 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C12-C28 | ND | 28.4 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| >C28-C35 | ND | 28.4 | mg/kg dry | 1 | P5A2805 | 01/27/15 | 01/28/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *104 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *121 %* | *70-130* | | *P5A2805* | *01/27/15* | *01/28/15* | *TPH 8015M* | |
| Total Petroleum Hydrocarbon C6-C35 | ND | 28.4 | mg/kg dry | 1 | [CALC] | 01/27/15 | 01/28/15 | calc | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## 005 A

**5A27002-10 (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** | **2360** | 10.5 | mg/kg dry | 10 | P5B0301 | 01/30/15 | 02/03/15 | EPA 300.0 | |
| **% Moisture** | **5.0** | 0.1 | % | 1 | P5A2902 | 01/29/15 | 01/29/15 | % calculation | |
| **Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M** | | | | | | | | | |
| C6-C12 | ND | 26.3 | mg/kg dry | 1 | P5A2906 | 01/28/15 | 01/29/15 | TPH 8015M | |
| **>C12-C28** | **27.3** | 26.3 | mg/kg dry | 1 | P5A2906 | 01/28/15 | 01/29/15 | TPH 8015M | |
| >C28-C35 | ND | 26.3 | mg/kg dry | 1 | P5A2906 | 01/28/15 | 01/29/15 | TPH 8015M | |
| *Surrogate: 1-Chlorooctane* | | *124 %* | *70-130* | | *P5A2906* | *01/28/15* | *01/29/15* | *TPH 8015M* | |
| *Surrogate: o-Terphenyl* | | *132 %* | *70-130* | | *P5A2906* | *01/28/15* | *01/29/15* | *TPH 8015M* | *S-GC* |
| **Total Petroleum Hydrocarbon C6-C35** | **27.3** | 26.3 | mg/kg dry | 1 | [CALC] | 01/28/15 | 01/29/15 | calc | |

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Devon Todd 36 #1 SWD
Project Number: [none]
Project Manager: Joel Ortiz

Fax: (432) 301-0176

## 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 P5A2902 - *** DEFAULT PREP *** ** | | | | | | | | | | |
| **Blank (P5A2902-BLK1)** | | | | Prepared & Analyzed: 01/29/15 | | | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| **Duplicate (P5A2902-DUP1)** | | **Source: 5A28002-01** | | Prepared & Analyzed: 01/29/15 | | | | | | |
| % Moisture | 6.0 | 0.1 | % | | 6.0 | | | 0.00 | 20 | |
| **Duplicate (P5A2902-DUP2)** | | **Source: 5A28002-03** | | Prepared & Analyzed: 01/29/15 | | | | | | |
| % Moisture | 7.0 | 0.1 | % | | 6.0 | | | 15.4 | 20 | |
| **Batch P5B0301 - *** DEFAULT PREP *** ** | | | | | | | | | | |
| **Blank (P5B0301-BLK1)** | | | | Prepared & Analyzed: 02/03/15 | | | | | | |
| Chloride | ND | 1.00 | mg/kg wet | | | | | | | |
| **LCS (P5B0301-BS1)** | | | | Prepared & Analyzed: 02/03/15 | | | | | | |
| Chloride | 102 | 1.00 | mg/kg wet | 100 | | 102 | 80-120 | | | |
| **LCS Dup (P5B0301-BSD1)** | | | | Prepared & Analyzed: 02/03/15 | | | | | | |
| Chloride | 100 | 1.00 | mg/kg wet | 100 | | 100 | 80-120 | 1.48 | 20 | |
| **Duplicate (P5B0301-DUP1)** | | **Source: 5A27002-01** | | Prepared & Analyzed: 02/03/15 | | | | | | |
| Chloride | 4590 | 5.56 | mg/kg dry | | 4540 | | | 1.11 | 20 | |
| **Duplicate (P5B0301-DUP2)** | | **Source: 5A28006-01** | | Prepared & Analyzed: 02/03/15 | | | | | | |
| Chloride | 226 | 1.14 | mg/kg dry | | 230 | | | 1.80 | 20 | |
| **Matrix Spike (P5B0301-MS1)** | | **Source: 5A27002-01** | | Prepared & Analyzed: 02/03/15 | | | | | | |
| Chloride | 4970 | 5.56 | mg/kg dry | 444 | 4540 | 97.3 | 80-120 | | | |

EnviroClean PS
2405 E CR 123
Midland TEXAS, 79706

Project: Devon Todd 36 #1 SWD
Project Number: [none]
Project Manager: Joel Ortiz

Fax: (432) 301-0176

## 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 P5A2805 - TX 1005** | | | | | | | | | | |
| **Blank (P5A2805-BLK1)** | | | | Prepared: 01/27/15 Analyzed: 01/28/15 | | | | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *61.8* | | *"* | *80.0* | | *77.2* | *70-130* | | | |
| *Surrogate: o-Terphenyl* | *31.4* | | *"* | *40.0* | | *78.6* | *70-130* | | | |
| **LCS (P5A2805-BS1)** | | | | Prepared: 01/27/15 Analyzed: 01/28/15 | | | | | | |
| C6-C12 | 807 | 25.0 | mg/kg wet | 1000 | | 80.7 | 75-125 | | | |
| >C12-C28 | 888 | 25.0 | " | 1000 | | 88.8 | 75-125 | | | |
| *Surrogate: 1-Chlorooctane* | *103* | | *"* | *100* | | *103* | *70-130* | | | |
| *Surrogate: o-Terphenyl* | *42.5* | | *"* | *50.0* | | *85.1* | *70-130* | | | |
| **LCS Dup (P5A2805-BSD1)** | | | | Prepared: 01/27/15 Analyzed: 01/28/15 | | | | | | |
| C6-C12 | 843 | 25.0 | mg/kg wet | 1000 | | 84.3 | 75-125 | 4.36 | 20 | |
| >C12-C28 | 821 | 25.0 | " | 1000 | | 82.1 | 75-125 | 7.86 | 20 | |
| *Surrogate: 1-Chlorooctane* | *102* | | *"* | *100* | | *102* | *70-130* | | | |
| *Surrogate: o-Terphenyl* | *45.5* | | *"* | *50.0* | | *90.9* | *70-130* | | | |
| **Duplicate (P5A2805-DUP1)** | **Source: 5A26007-02** | | | Prepared: 01/27/15 Analyzed: 01/28/15 | | | | | | |
| C6-C12 | 33.9 | 25.0 | mg/kg dry | | 31.5 | | | 7.18 | 20 | |
| >C12-C28 | ND | 25.0 | " | | ND | | | | 20 | |
| *Surrogate: 1-Chlorooctane* | *112* | | *"* | *100* | | *112* | *70-130* | | | |
| *Surrogate: o-Terphenyl* | *63.6* | | *"* | *50.0* | | *127* | *70-130* | | | |
| **Batch P5A2906 - TX 1005** | | | | | | | | | | |
| **Blank (P5A2906-BLK1)** | | | | Prepared & Analyzed: 01/28/15 | | | | | | |
| C6-C12 | ND | 25.0 | mg/kg wet | | | | | | | |
| >C12-C28 | ND | 25.0 | " | | | | | | | |
| >C28-C35 | ND | 25.0 | " | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *99.5* | | *"* | *100* | | *99.5* | *70-130* | | | |
| *Surrogate: o-Terphenyl* | *54.0* | | *"* | *50.0* | | *108* | *70-130* | | | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## 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 P5A2906 - TX 1005** | | | | | | | | | | |
| **LCS (P5A2906-BS1)** | | | | Prepared & Analyzed: 01/28/15 | | | | | | |
| C6-C12 | 875 | 25.0 | mg/kg wet | 1000 | | 87.5 | 75-125 | | | |
| >C12-C28 | 986 | 25.0 | " | 1000 | | 98.6 | 75-125 | | | |
| *Surrogate: 1-Chlorooctane* | *120* | | *"* | *100* | | *120* | *70-130* | | | |
| *Surrogate: o-Terphenyl* | *53.5* | | *"* | *50.0* | | *107* | *70-130* | | | |
| **LCS Dup (P5A2906-BSD1)** | | | | Prepared & Analyzed: 01/28/15 | | | | | | |
| C6-C12 | 921 | 25.0 | mg/kg wet | 1000 | | 92.1 | 75-125 | 5.07 | 20 | |
| >C12-C28 | 1010 | 25.0 | " | 1000 | | 101 | 75-125 | 1.98 | 20 | |
| *Surrogate: 1-Chlorooctane* | *128* | | *"* | *100* | | *128* | *70-130* | | | |
| *Surrogate: o-Terphenyl* | *62.2* | | *"* | *50.0* | | *124* | *70-130* | | | |

| | | |
|---|---|---|
| EnviroClean PS | Project: Devon Todd 36 #1 SWD | Fax: (432) 301-0176 |
| 2405 E CR 123 | Project Number: [none] | |
| Midland TEXAS, 79706 | Project Manager: Joel Ortiz | |

## Notes and Definitions

| | |
|---|---|
| S-GC | Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate. |
| 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:  Date: 2/3/2015

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: Dewayne Partain

e-mail: sspringer@envirocleanps.com, jortiz@envirocleanps.com, dbecker@envirocleanps.com, hevans@envirocleanps.com

Project Name: Devon Todd 36#1 SWD

Project #:

Project Loc: New Mexico

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only) ORDER #: 5A27002

| 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: 8015B | TOTAL: TPH: 418.1 8015M | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -01 | 001 | | | 1/26/15 | 5:00 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -02 | 001B | | | | 5:10 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -03 | 002 | | | | 5:15 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -04 | 002B | | | | 5:20 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -05 | 003 | | | | 5:25 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -06 | 003B | | | | 5:30 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -07 | 004 | | | | 5:35 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -08 | 004B | | | | 5:40 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -09 | 005 | | | | 5:45 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |
| -10 | 005B | | | " | 5:50 | | 1 | | | | | | | X | | S | X | | | X | | | | | | | | | | X |

**Special Instructions:**

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Joel Ortiz | 1/27/14 | 10:10 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by PBEL: | Date | Time |
| | | | | 1/27/15 | 10:10 |

**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 by Sampler/Client Rep. ? | N |
| by Courier? UPS DHL FedEx Lone Star | N |

Temperature Upon Receipt:
Received: 4.4 °C
Adjusted: °C Factor NCF


Lease sign for the project

Viewing East: Flow Path

Viewing West: Apparent source area of the release

Viewing West: Natural slope and the tank berm channeled the flow westward