



July 31, 2013

Mr. Mike Bratcher  
NMOCD District 2  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

AMARILLO  
921 North Bivins  
Amarillo, Texas 79107  
Phone 806.467.0607  
Fax 806.467.0622

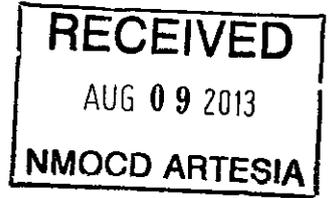
ARTESIA  
408 West Texas Ave.  
Artesia, New Mexico 88210  
Phone 575.746.8768  
Fax 575.746.8905

HOBBS  
318 East Taylor Street  
Hobbs, New Mexico 88240  
Phone 575.393.4261  
Fax 575.393.4658

MIDLAND  
2901 State Hwy 349  
Midland, Texas 79706  
Phone 432.522.2133  
Fax 432.522.2180

OKLAHOMA CITY  
7700 North Hudson Avenue  
Suite 10  
Oklahoma City, Oklahoma 73116  
Phone 405.486.7030  
Fax 806.467.0622

SAN ANTONIO  
11 Commercial Place  
Schertz, Texas 78154  
Phone 210.265.8025  
Fax 210.568.2191



Subject: **Soil Assessment and Remediation Work Plan**  
Devon Energy Corporation  
Todd 26 F SWD

Dear Mr. Bratcher

Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

**Incident Date**

The release occurred on June 20, 2013 at approximately 5:45 am

**Background Information**

The Todd 26 F SWD is located approximately thirty-five (35) miles southeast of Carlsbad, New Mexico. The legal location for the site is Unit letter F of Section 26, Township 23S, Range 31E in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.27720 North and -103.75068 West.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Simona and Wink fine sandy loams with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to Middle Pleistocene in age and is comprised of eolian sands. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 160-feet below ground surface (bgs), according to the New Mexico Office of the State Engineer.

The ranking for this site is 0 based on the following:

- Depth to ground water >100'
- Wellhead protection area >1000'
- Distance to surface water body >1000'

ENVIRONMENTAL CONSULTING  
ENGINEERING  
DRILLING  
CONSTRUCTION  
SPILL MANAGEMENT  
GENERAL CONTRACTING

Toll Free: 866.742.0742  
www.talonlpe.com

## Incident Description

A power outage caused a pump to malfunction, which then caused the tanks at the SWD to overflow losing approximately 120bbls of oil and 20bbls of produced water. The release was discovered by a hot oiler operator and reported to Devon at 5:45 am on June 20, 2013. Devon personnel responded to correct the malfunction and stop the release. Vacuum trucks were able to recover 100bbls of oil and 20bbls of water.

## Laboratory Results

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	85.8	6240	1670	7010
S-1	1	0.431	960	ND	59.5
S-1	2	0.077	144	ND	65.6
S-1	3	ND	688	ND	32.5
S-2	0	0.071	16000	ND	32.1
S-2	1	0.054	4960	ND	72.7
S-3	0	57.1	2800	1030	16800
S-3	1	0.444	144	ND	10.4
S-3	2	0.116	1800	ND	ND
S-3	3	ND	768	ND	ND
S-4	0	57.0	240	1200	18100
S-4	1	12.4	224	298	1470
S-4	2	6.27	192	78.1	641
S-4	3	245	80	88.3	844
S-5	0	229	304	6310	54600
S-5	1	43.2	96	646	3090
S-5	2	2.34	160	31.7	318
S-5	3	0.718	304	ND	143

(ND) Analyte Not Detected

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH.

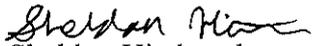
## Proposed Remedial Actions

- The impacted soil will be excavated to a depth of 1-foot bgs in a vicinity of S-1, S-4, and S-5. The areas in the vicinity of S-2 and S-3 will be excavated to a depth of 2-feet bgs. The excavated soil will be transported to an NMOCD approved solid waste disposal facility.
- The excavated area on the location will be backfilled using caliche and the excavated area in the pasture will be backfilled using sand, then contoured to match the surrounding area.
- Once the area in the pasture is backfilled and contoured it will be seeded using BLM seed mixture #2.
- A final report documenting all field activities and lab reports will be provided to the NMOCD Artesia Office including Form C-141.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768.

Respectfully submitted,

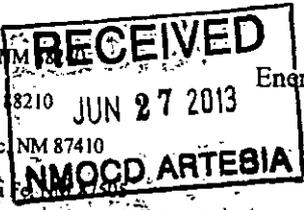
TALON/LPE

  
Sheldon Hitchcock  
Environmental Scientist

  
David J. Adkins  
District Manager

# Initial C-141

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 <b>Devon Energy</b>	Contact <b>DAN SUNIGA, Production Foreman</b>
Address <b>PO BOX 250 Artesia, NM 88211</b>	Telephone No. <b>575-390-5850</b>
Facility Name <b>TODD 26 F SWD</b>	Facility Type <b>OIL</b>
Surface Owner	Mineral Owner
API No. <b>30-015-20302</b>	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	26	23S	31E	1980	NORTH	1980	WEST	EDDY

Latitude: 32.2772004999961 Longitude: -103.75068469575

**NATURE OF RELEASE**

Type of Release <b>SPILL</b>	Volume of Release <b>120bbls Oil/20bbls PW</b>	Volume Recovered <b>100bbls Oil/20bbls PW</b>
Source of Release <b>Power outage caused pump to go down</b>	Date and Hour of Occurrence: <b>June 20, 2013; 05:45am</b>	Date and Hour of Discovery: <b>June 20, 2013; 05:45am</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Jerry Mathews-Superintendent; Chad Drace-EHS; Jennifer Van Curen-BLM; Mike Bratcher-OC</b>	
By Whom? <b>Wesley Ryan, Assistant Foreman</b>	Date and Hour: <b>6/20/6:15am; 3:00pm; 3:24pm; 3:44pm</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

At the Todd 26 SWD, a power outage caused the pump to go down resulting in a spill of 120bbls of oil and 20bbls of produced water.

Describe Area Affected and Cleanup Action Taken.\*

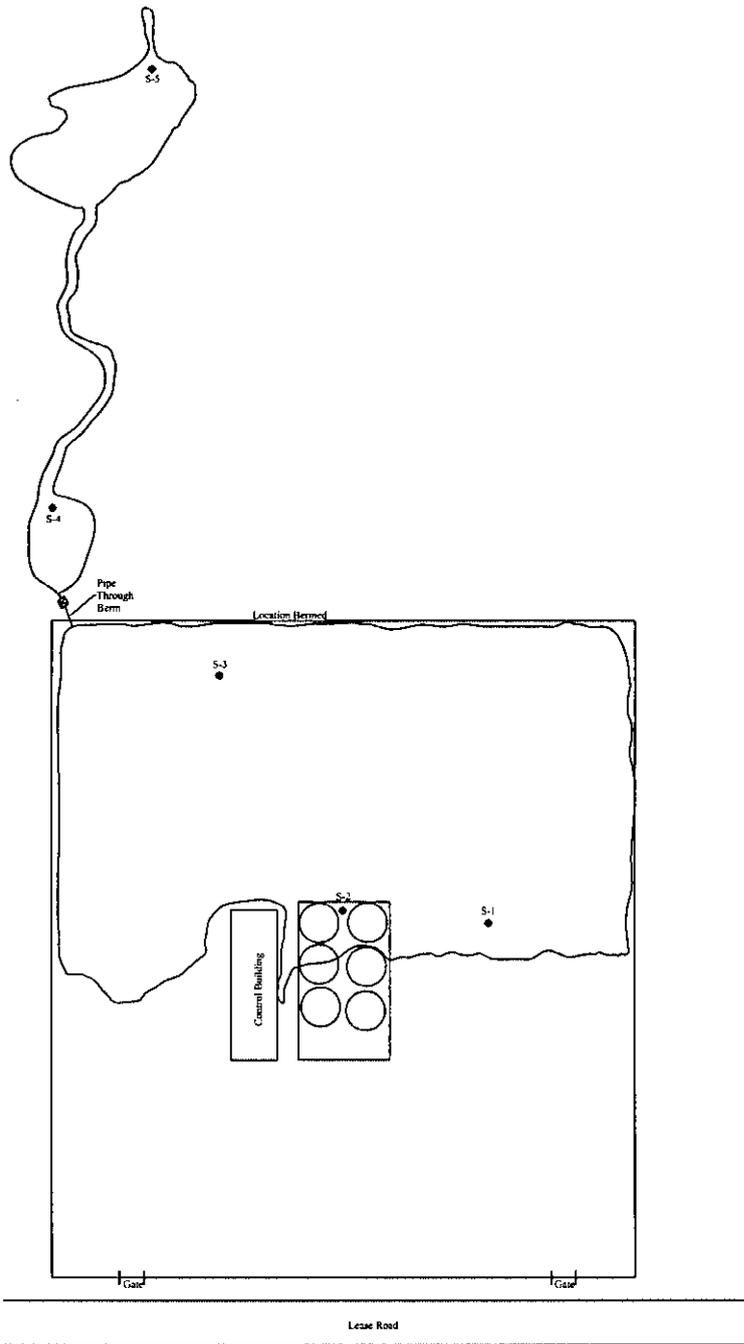
At the Todd 26 SWD, a power outage caused the pump to go down resulting in a spill of 120bbls of oil and 20bbls of produced water. A thunderstorm had passed through the area about 6:00 PM on 6/19/2013. The majority of the field's power was lost due to an Excel sub-station malfunction. Several lease operators were in the area resetting pumps and electrical panel boxes after the power came on at 1:00AM on 6/20/13. The lease operator reset the panels and made sure the Todd 26 was up and running prior to resetting the rest of his lease so that it would be able to handle the influx of water that would be sent to that disposal. After determining that his lease was back up and running the operator went back by the Todd 26 SWD to make sure that it was operating correctly. The lease operator then left the field. Later the morning at 5:45 AM the Hot Oiler Operator arrived at the Todd 26 SWD to discover the tanks running over and the spill. The Hot Oiler Operator then notified the Foreman and Lease Operator. The Lease Operators, Asst. Foremen and Fluid Tech began shutting in wells and dispatched vacuum trucks. The total spill volumes were 100bbls of oil and 20bbls of produced water on the caliche location along with 20bbls of oil in the pasture. The trucks were able to recover the 100bbls of oil and 20bbls of produced water on the location but could not recover the 20bbls of oil in the pasture.

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: <i>Veronica Teel</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Veronica Teel</b>	Approved by Environmental Specialist:	
Title: <b>Field Admin Support</b>	Approval Date:	Expiration Date:
E-mail Address: <b>Veronica.Teel@dvn.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>6/20/13</b>	Phone: <b>575-748-9933</b>	

\* Attach Additional Sheets If Necessary

# Site Map



0 25 50  
Scale in Feet

Legend  
◆ - Sample Location



Date: 06/27/2013

Scale: 1" = 50'

Drawn By: TJS

Todd 26 SWD  
Devon Energy Corporation  
Eddy County, New Mexico  
Figure 1 - Site Plan

# **Ground Water**



# 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-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02258	C	ED		3	2	26	23S	31E		618055	3571853*	402	662		
C 02348	C	ED		1	4	3	26	23S	31E	-617648	3571068	781	500		
C 02405	C	ED		4	1	02	24S	31E		617690	3568631*	3218	275	160	115
C 02464	C	ED		3	4	1	02	24S	31E	617589	3568530*	3319	320	205	115
C 02777		ED		2	2	2	15	23S	31E	616905	3575562*	3787	1001		
C 02460	C	ED		3	02	24S	31E			617496	3568022*	3830	320		
C 02460 POD2	C	ED		3	02	24S	31E			617496	3568022*	3830	320		
C 02954 EXPL		ED		3	1	4	20	23S	31E	613114	3572906*	4660	905		
C 02661		ED		3	3	1	04	24S	31E	613969	3568485*	4988	708		
C 02785		ED		3	3	1	04	24S	31E	613969	3568485*	4988	692		

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

**Record Count:** 10

**Basin/County Search:**

County: Eddy

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

Easting (X): 617653

Northing (Y): 3571849

Radius: 5000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

# Laboratory Reports



June 28, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TODD 26 SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/24/13 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-1 0' (H301472-01)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	2.00	0.200	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	22.6	0.200	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	10.8	0.200	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	50.3	0.600	06/27/2013	ND	6.42	107	6.00	12.1		
<b>Total BTEX</b>	<b>85.8</b>	<b>1.20</b>	<b>06/27/2013</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PID) 172 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6240	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1670	50.0	06/25/2013	ND	203	101	200	3.07		
DRO >C10-C28	7010	50.0	06/25/2013	ND	208	104	200	5.24		

Surrogate: 1-Chlorooctane 171 % 65.2-140

Surrogate: 1-Chlorooctadecane 184 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-1 1' (H301472-02)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6	
Toluene*	<b>0.103</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	<b>0.051</b>	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	<b>0.277</b>	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
<b>Total BTEX</b>	<b>0.431</b>	0.300	06/27/2013	ND					

*Surrogate: 4-Bromofluorobenzene (PIL) 116 % 89.4-126*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>960</b>	16.0	06/27/2013	ND	432	108	400	0.00	

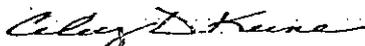
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/25/2013	ND	203	101	200	3.07	
<b>DRO &gt;C10-C28</b>	<b>59.5</b>	10.0	06/25/2013	ND	208	104	200	5.24	

*Surrogate: 1-Chlorooctane 91.9 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 93.0 % 63.6-154*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-1 2' (H301472-03)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6	
<b>Toluene*</b>	<b>0.077</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	<0.050	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	<0.150	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	<0.300	0.300	06/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	06/27/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/25/2013	ND	203	101	200	3.07	
<b>DRO &gt;C10-C28</b>	<b>65.6</b>	10.0	06/25/2013	ND	208	104	200	5.24	

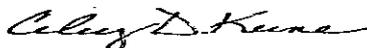
Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.8 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-1 3' (H301472-04)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	<0.050	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	<0.050	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	<0.300	0.300	06/27/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/25/2013	ND	203	101	200	3.07		
DRO >C10-C28	32.5	10.0	06/25/2013	ND	208	104	200	5.24		

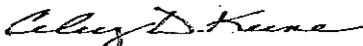
Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-2 0' (H301472-05)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
<b>Toluene*</b>	<b>0.071</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	<0.050	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	<0.300	0.300	06/27/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>16000</b>	16.0	06/27/2013	ND	432	108	400	0.00		

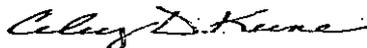
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/25/2013	ND	203	101	200	3.07		
<b>DRO &gt;C10-C28</b>	<b>32.1</b>	10.0	06/25/2013	ND	208	104	200	5.24		

*Surrogate: 1-Chlorooctane 86.8 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154*

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**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-2 1' (H301472-06)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
<b>Toluene*</b>	<b>0.054</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	<0.050	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	<0.150	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	<0.300	0.300	06/27/2013	ND						

Surrogate: 4-Bromofluorobenzene (PII) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>4960</b>	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/25/2013	ND	203	101	200	3.07		
<b>DRO &gt;C10-C28</b>	<b>72.7</b>	10.0	06/25/2013	ND	208	104	200	5.24		

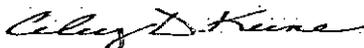
Surrogate: 1-Chlorooctane 90.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

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**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
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 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-3 0' (H301472-07)**

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.671	0.200	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	11.9	0.200	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	7.79	0.200	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	36.8	0.600	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	57.1	1.20	06/27/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 172 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1030	50.0	06/25/2013	ND	203	101	200	3.07		
DRO >C10-C28	16800	50.0	06/25/2013	ND	208	104	200	5.24		

Surrogate: 1-Chlorooctane 176 % 65.2-140

Surrogate: 1-Chlorooctadecane 479 % 63.6-154

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**Analytical Results For:**

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 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

 Received: 06/24/2013  
 Reported: 06/28/2013  
 Project Name: TODD 26 SWD  
 Project Number: 700794.073.01  
 Project Location: DEVON

 Sampling Date: 06/24/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S-3 1' (H301472-08)**

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	<b>0.109</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	<b>0.053</b>	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	<b>0.282</b>	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
<b>Total BTEX</b>	<b>0.444</b>	0.300	06/27/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>144</b>	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/25/2013	ND	203	101	200	3.07		
<b>DRO &gt;C10-C28</b>	<b>10.4</b>	10.0	06/25/2013	ND	208	104	200	5.24		

Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.2 % 63.6-154

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**Analytical Results For:**

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 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-3 2' (H301472-09)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6	
<b>Toluene*</b>	<b>0.116</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	<0.050	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	<0.150	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	<0.300	0.300	06/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 112% 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1800</b>	16.0	06/27/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/25/2013	ND	203	101	200	3.07	
DRO >C10-C28	<10.0	10.0	06/25/2013	ND	208	104	200	5.24	

Surrogate: 1-Chlorooctane 91.0% 65.2-140

Surrogate: 1-Chlorooctadecane 93.7% 63.6-154

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 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-3 3' (H301472-10)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6	
Toluene*	<0.050	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	<0.050	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	<0.150	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	<0.300	0.300	06/27/2013	ND					

*Surrogate: 4-Bromofluorobenzene (PIE) 112 % 89.4-126*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>768</b>	16.0	06/27/2013	ND	432	108	400	0.00	

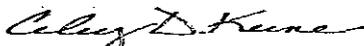
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/25/2013	ND	216	108	200	0.621	
DRO >C10-C28	<10.0	10.0	06/25/2013	ND	221	111	200	0.714	

*Surrogate: 1-Chlorooctane 97.2 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 98.9 % 63.6-154*

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**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-4 0' (H301472-11)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.432	0.200	06/27/2013	ND	1.86	92.8	2.00	11.6	
Toluene*	12.0	0.200	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	8.32	0.200	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	36.2	0.600	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	57.0	1.20	06/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 177 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/27/2013	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1200	50.0	06/25/2013	ND	216	108	200	0.621	
DRO >C10-C28	18100	50.0	06/25/2013	ND	221	111	200	0.714	

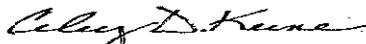
Surrogate: 1-Chlorooctane 220 % 65.2-140

Surrogate: 1-Chlorooctadecane 450 % 63.6-154

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 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-4 1' (H301472-12)**

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.059	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	1.92	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	1.75	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	8.72	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	12.4	0.300	06/27/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 184 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	298	50.0	06/25/2013	ND	216	108	200	0.621		
DRO >C10-C28	1470	50.0	06/25/2013	ND	221	111	200	0.714		

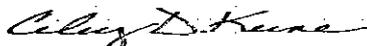
Surrogate: 1-Chlorooctane 125 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-4 2' (H301472-13)**

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	0.895	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	0.869	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	4.51	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	6.27	0.300	06/27/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIL) 172 % 89.4-126*

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/27/2013	ND	432	108	400	0.00		

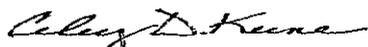
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	78.1	10.0	06/25/2013	ND	216	108	200	0.621		
DRO >C10-C28	641	10.0	06/25/2013	ND	221	111	200	0.714		

*Surrogate: 1-Chlorooctane 104 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 102 % 63.6-154*

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-4 3' (H301472-14)**

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	0.299	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	0.323	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	1.82	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
<b>Total BTEX</b>	<b>2.45</b>	<b>0.300</b>	<b>06/27/2013</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIL) 138 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	88.3	10.0	06/25/2013	ND	216	108	200	0.621		
DRO >C10-C28	844	10.0	06/25/2013	ND	221	111	200	0.714		

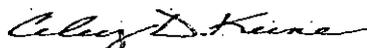
Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-5 0' (H301472-15)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	2.82	0.200	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	53.5	0.200	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	31.9	0.200	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	141	0.600	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	229	1.20	06/27/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 159 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	6310	100	06/25/2013	ND	216	108	200	0.621		
DRO >C10-C28	54600	100	06/25/2013	ND	221	111	200	0.714		

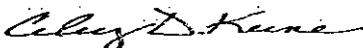
Surrogate: 1-Chlorooctane 316 % 65.2-140

Surrogate: 1-Chlorooctadecane 1450 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

 Received: 06/24/2013  
 Reported: 06/28/2013  
 Project Name: TODD 26 SWD  
 Project Number: 700794.073.01  
 Project Location: DEVON

 Sampling Date: 06/24/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S-5 1' (H301472-16)**

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.205	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	7.97	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	5.94	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	29.1	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
<b>Total BTEX</b>	<b>43.2</b>	<b>0.300</b>	<b>06/27/2013</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIE) 173 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	646	50.0	06/26/2013	ND	216	108	200	0.621		
DRO >C10-C28	3090	50.0	06/26/2013	ND	221	111	200	0.714		

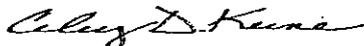
Surrogate: 1-Chlorooctane 138 % 65.2-140

Surrogate: 1-Chlorooctadecane 135 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

 Received: 06/24/2013  
 Reported: 06/28/2013  
 Project Name: TODD 26 SWD  
 Project Number: 700794.073.01  
 Project Location: DEVON

 Sampling Date: 06/24/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S-5 2' (H301472-17)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6		
Toluene*	<b>0.307</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5		
Ethylbenzene*	<b>0.289</b>	0.050	06/27/2013	ND	2.12	106	2.00	12.6		
Total Xylenes*	<b>1.74</b>	0.150	06/27/2013	ND	6.42	107	6.00	12.1		
Total BTEX	<b>2.34</b>	0.300	06/27/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 139 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>160</b>	16.0	06/27/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<b>31.7</b>	10.0	06/26/2013	ND	216	108	200	0.621		
DRO >C10-C28	<b>318</b>	10.0	06/26/2013	ND	221	111	200	0.714		

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/24/2013	Sampling Date:	06/24/2013
Reported:	06/28/2013	Sampling Type:	Soil
Project Name:	TODD 26 SWD	Sampling Condition:	Cool & Intact
Project Number:	700794.073.01	Sample Received By:	Jodi Henson
Project Location:	DEVON		

**Sample ID: S-5 3' (H301472-18)**

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2013	ND	1.86	92.8	2.00	11.6	
Toluene*	<b>0.165</b>	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	<b>0.082</b>	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	<b>0.471</b>	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
<b>Total BTEX</b>	<b>0.718</b>	0.300	06/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PII) 116% 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>304</b>	16.0	06/27/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2013	ND	216	108	200	0.621	
<b>DRO &gt;C10-C28</b>	<b>143</b>	10.0	06/26/2013	ND	221	111	200	0.714	

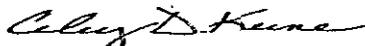
Surrogate: 1-Chlorooctane 95.6% 65.2-140

Surrogate: 1-Chlorooctadecane 93.3% 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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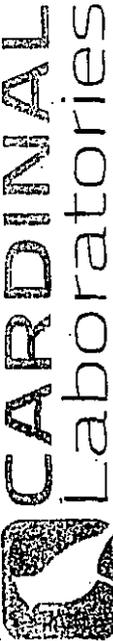
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---

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>Talon/LPE</b>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <b>D. Atkins</b>		Company: <b>Talon/LPE</b>			
Address: <b>408 W. TEXAS AVE.</b>		Attn:			
City: <b>Artesia</b>		Address:			
State: <b>NM</b> Zip: <b>88210</b>		City:			
Phone #: <b>575-746-8768</b> Fax #: <b>575-746-8905</b>		State:			
Project #: <b>706744073.01</b> Project Owner: <b>D. E. Koh</b>		Phone #:			
Project Name: <b>Todd 26 SWD</b>		Fax #:			
Project Location:		PRESERV			
Sampler Name: <b>G. Heldon Hitchenlock</b>		SAMPLING			
FOR LAB USE ONLY		DATE			
Lab I.D.		TIME			
Sample I.D.		OTHER:			
1 5-10'		ICE/COOL			
2 5-11'		ACID/BASE			
3 5-12'		OTHER:			
4 5-13'		SLUDGE			
5 5-20'		OIL			
6 5-21'		SOIL			
7 5-22'		WASTEWATER			
8 5-31'		GROUNDWATER			
9 5-32'		# CONTAINERS			
10 5-33'		(G) RAB OR (C) MP.			

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Relinquished By: **Sheldon Hitchenlock** Date: **10/24/13** Time: **13:25**

Received By: **Dele Henderson** Date: **10/24/13** Time: **13:25**

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

REMARKS:

Delivered By: (Circle One) **UPS**

Sampler - UPS - Bus - Other:

Sample Condition: Cool  Intact  **DM**

5.5g Yes  No  #54

