



July 31, 2013

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

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

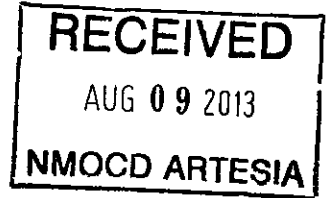
ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

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.

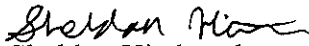
Proposed Remedial Actions


- 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,

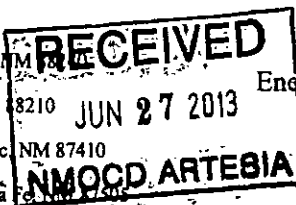
TALON/LPE


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

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

Describe Area Affected and Cleanup Action Taken.*

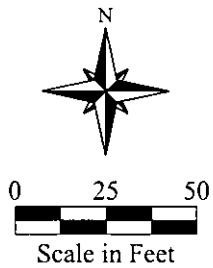
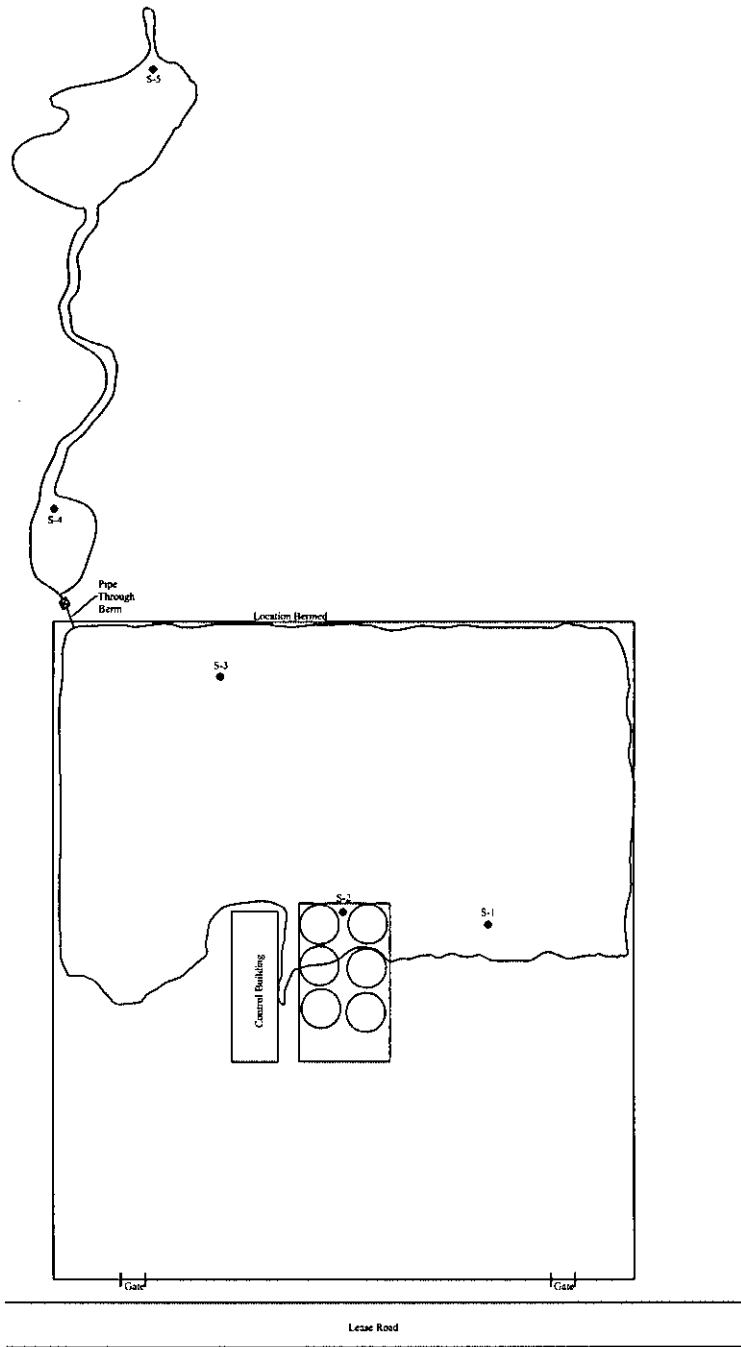
At the Todd 26 SWD, a power outage caused the pump to go down resulting in a spill of 120bbbls of oil and 20bbbls of produced water. A thunderstorm had passed through the area about 6:00 PM on 6/19/2013. The majority of the field's power was lost due to an Excel sub-station malfunction. Several lease 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 100bbbls of oil and 20bbbls of produced water on the caliche location along with 20bbbls of oil in the pasture. The trucks were able to recover the 100bbbls of oil and 20bbbls of produced water on the location but could not recover the 20bbbls 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 NMOC 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 NMOC 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, NMOC 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>		OIL CONSERVATION DIVISION	
Printed Name: Veronica Teel		Approved by Environmental Specialist:	
Title: Field Admin Support		Approval Date:	Expiration Date:
E-mail Address: Veronica.Teel@dmn.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/20/13		Phone: 575-748-9933	

* Attach Additional Sheets If Necessary

Site Map



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



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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.

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
 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-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	
Total BTEX	85.8	1.20	06/27/2013	ND					

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	

TPH 8015M

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
 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-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*	0.103	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	0.051	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	0.277	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	0.431	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	960	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	59.5	10.0	06/25/2013	ND	208	104	200	5.24	

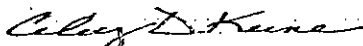
Surrogate: 1-Chlorooctane 91.9 % 65.2-140

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
 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-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	
Toluene*	0.077	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
Chloride	144	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	65.6	10.0	06/25/2013	ND	208	104	200	5.24	

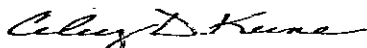
Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.8 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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 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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 DAVID ADKINS
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 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-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	
Toluene*	0.071	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
Chloride	16000	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	32.1	10.0	06/25/2013	ND	208	104	200	5.24	

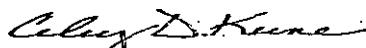
Surrogate: 1-Chlorooctane 86.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

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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-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	
Toluene*	0.054	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 (PIL) 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
Chloride	4960	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	72.7	10.0	06/25/2013	ND	208	104	200	5.24	

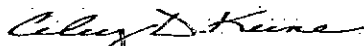
Surrogate: 1-Chlorooctane 90.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
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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	

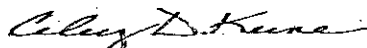
Surrogate: 1-Chlorooctane 176 % 65.2-140

Surrogate: 1-Chlorooctadecane 479 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
DAVID ADKINS
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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*	0.109	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	0.053	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	0.282	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	0.444	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	144	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	10.4	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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Celey D. Keene, Lab Director/Quality Manager

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 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 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	
Toluene*	0.116	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 (PIB) 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	1800	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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Analytical Results For:

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 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 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	768	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	

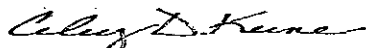
Surrogate: 1-Chlorooctane 97.2 % 65.2-140

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	

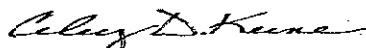
Surrogate: 1-Chlorooctane 220 % 65.2-140

Surrogate: 1-Chlorooctadecane 450 % 63.6-154

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Analytical Results For:

TALON LPE
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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-4 1' (H301472-12)

BTX 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 BTX	12.4	0.300	06/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 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	

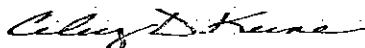
Surrogate: 1-Chlorooctane 125 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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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 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, SM4500Cl-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	

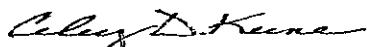
Surrogate: 1-Chlorooctane 104 % 65.2-140

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
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-4 3' (H301472-14)

BTX 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	
Total BTEX	2.45	0.300	06/27/2013	ND					

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	

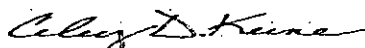
Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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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 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					
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	

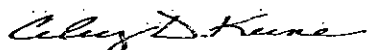
Surrogate: 1-Chlorooctane 316 % 65.2-140

Surrogate: 1-Chlorooctadecane 1450 % 63.6-154

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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	
Total BTEX	43.2	0.300	06/27/2013	ND					

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	

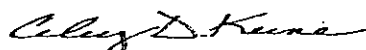
Surrogate: 1-Chlorooctane 138 % 65.2-140

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)

BTX 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*	0.307	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	0.289	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	1.74	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	2.34	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	160	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	31.7	10.0	06/26/2013	ND	216	108	200	0.621	
DRO >C10-C28	318	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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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*	0.165	0.050	06/27/2013	ND	1.97	98.6	2.00	11.5	
Ethylbenzene*	0.082	0.050	06/27/2013	ND	2.12	106	2.00	12.6	
Total Xylenes*	0.471	0.150	06/27/2013	ND	6.42	107	6.00	12.1	
Total BTEX	0.718	0.300	06/27/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 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	304	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	
DRO >C10-C28	143	10.0	06/26/2013	ND	221	111	200	0.714	

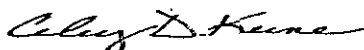
Surrogate: 1-Chlorooctane 95.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.3 % 63.6-154

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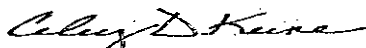
Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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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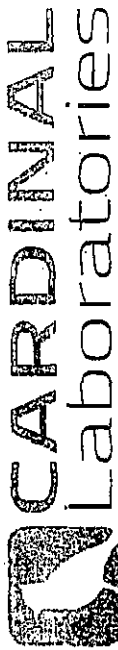


Celey D. Keene, Lab Director/Quality Manager

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

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:		ANALYSIS REQUEST	
Project Manager: D. Adams		Company: Talon/LPE			
Address: 408 W. TEXAS AVE.		Attn:			
City: Artesia		State: NM		Zip: 88210	
Phone #: 575-746-8768		Fax #: 575-746-8906			
Project #: 700794.073.01		Project Owner: D. Ken			
Project Name: Todd 26 SWD		State: _____		Zip: _____	
Project Location: _____		Phone #: _____			
Sampler Name: Sheldon Hitchcock		Fax #: _____			
FOR LAB USE ONLY		MATRIX		PRESERV	
Lab I.D. H3D1472		Sample I.D.		DATE	
11 5-40		6-1		6-24-13 11:08	
12 5-41		6-1		11:10	
13 5-42		6-1		11:12	
14 5-43		6-1		11:15	
15 5-50		6-1		11:17	
16 5-51		6-1		11:20	
17 5-52		6-1		11:21	
18 5-53		6-1		11:22	

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Relinquished By: Sheldon Hitchcock	Date: 10/24/13	Received By: Adi Jensen	Date: 10/25/13
Relinquished By:	Date:	Received By:	Date:
Time:		Time:	
Delivered By: (Circle One)		Sample Condition	
Sampler - UPS - Bus - Other:		Color/Intact: 5.52	
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Checked By: Adi Jensen	
		Signature: Adi Jensen	
		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Add'l Phone #: _____	
		Add'l Fax #: _____	
REMARKS:			

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#54