



April 14, 2015

Mr. Tomas Oberding  
NMOCD District I  
1625 N. French Dr.  
Hobbs, NM 88240

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  
13111 Lookout Way  
San Antonio, Texas 78233  
Phone 210.265.8025  
Fax 210.568.2191

Subject: **Soil Assessment and Remediation Work Plan**  
Oxy USA Inc.  
Prize Federal #002  
API #: 30-025-31902  
1RP-3559

Oxy USA Inc. (Oxy) 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.

### Background Information

The Prize 27 Federal #002 is located approximately forty (40) miles east of Carlsbad, New Mexico. The legal location for this site is Unit Letter P, Section 27, Township 22 South and Range 32 East. More specifically the latitude and longitude for the release are 32.357199 North and -103.6561832 West. A site plan is presented in [Appendix I](#).

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 the of Kermit-Palomas fine sands with 0 to 12 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. Drainage courses in this area are normally dry. Groundwater in the project vicinity is approximately 360-feet below ground surface (bgs) according the New Mexico Office of the State Engineer. State Engineer. See [Appendix II](#) for the referenced groundwater data.

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

Depth to ground water  
Wellhead Protection Area  
Distance to surface water body

>100'  
>1000'  
>1000'

**APPROVED** Conditionally  
By OCD; Dr. Oberding at 8:52 am, Apr 20, 2015

**RECEIVED**

By OCD; Dr. Oberding at 8:52 am, Apr 20, 2015

ENVIRONMENTAL CONSULTING  
ENGINEERING  
DRILLING  
CONSTRUCTION  
SPILL MANAGEMENT  
GENERAL CONTRACTING

### Stipulations:

- 1) Obtain concurrence from BLM
- 2) Delineate further to understand contamination below site.
- 3) Provide geotagged photographs of remediation.

## Incident Description

The tanks overflowed due to a dump valve malfunction causing a release of 25bbls of produced water. The facility was shut in and the valve was replaced. A vacuum truck was dispatched to the site to recover the standing fluid. Approximately 23bbls of fluid were recovered. All of the released fluids were contained within the berms of the battery, with the exception of the light overspray on the location just west of the battery. Talon mobilized personnel to conduct a site assessment and perform soil sampling at the lactation. Laboratory results from the soil sampling event are summarized in the table below.

## Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	163	1360	3480	1770
S-1	1	0.36	176	ND	35.4
S-1	2	ND	384	ND	39.5
S-1	3	ND	--	ND	ND
S-1	4	ND	--	ND	ND
S-2	0	302	288	7620	38300
S-2	1	78.6	ND	2950	10900
S-2	2	12.1	48	3190	108000
S-2	3	126	--	2760	8140
S-2	4	151	--	3050	8820
S-3	0	974	464	21700	57600
S-3	1	58.8	32	3470	13500
S-3	2	55.9	16	3330	14100
S-3	3	58.2	--	3450	15000
S-3	4	56	--	3550	14100
S-4	0	76.4	7860	1940	30500
S-4	1	0.40	1280	ND	1670
S-4	2	ND	688	ND	327
S-4	3	ND	--	ND	98.3
S-4	4	ND	--	ND	ND

(-- ) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of 0, NMOC D 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 areas in the vicinity of sample location S-4 under the steel flow lines will be hand-excavated to the extent, feasible and as safely as possible to a depth of 0.5-feet.
- The impacted area in the vicinity S-2 and S-3 in the tank battery will be hand excavated to a depth of 4-feet deep.
- The impacted area in the vicinity of S-1 will be excavated to a depth of 0.5-feet deep.
- The area inside the tank battery will then be treated with high nitrogen fertilizer and mircoblaze (a bioremediation agent). A 20 mil liner will be installed in the bottom of the excavation.
- All the contaminated soil will be transported to an approved disposal facility Lea Land, LLC
- Upon NMOCD and BLM approval of the confirmation samples, the excavated areas will be backfilled with new caliche and re-contoured to match the surrounding area.
- A final closure report documenting all remedial actions and analytical results will be provided to the NMOCD Hobbs Office and the BLM along with a Final C-141 Form.

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

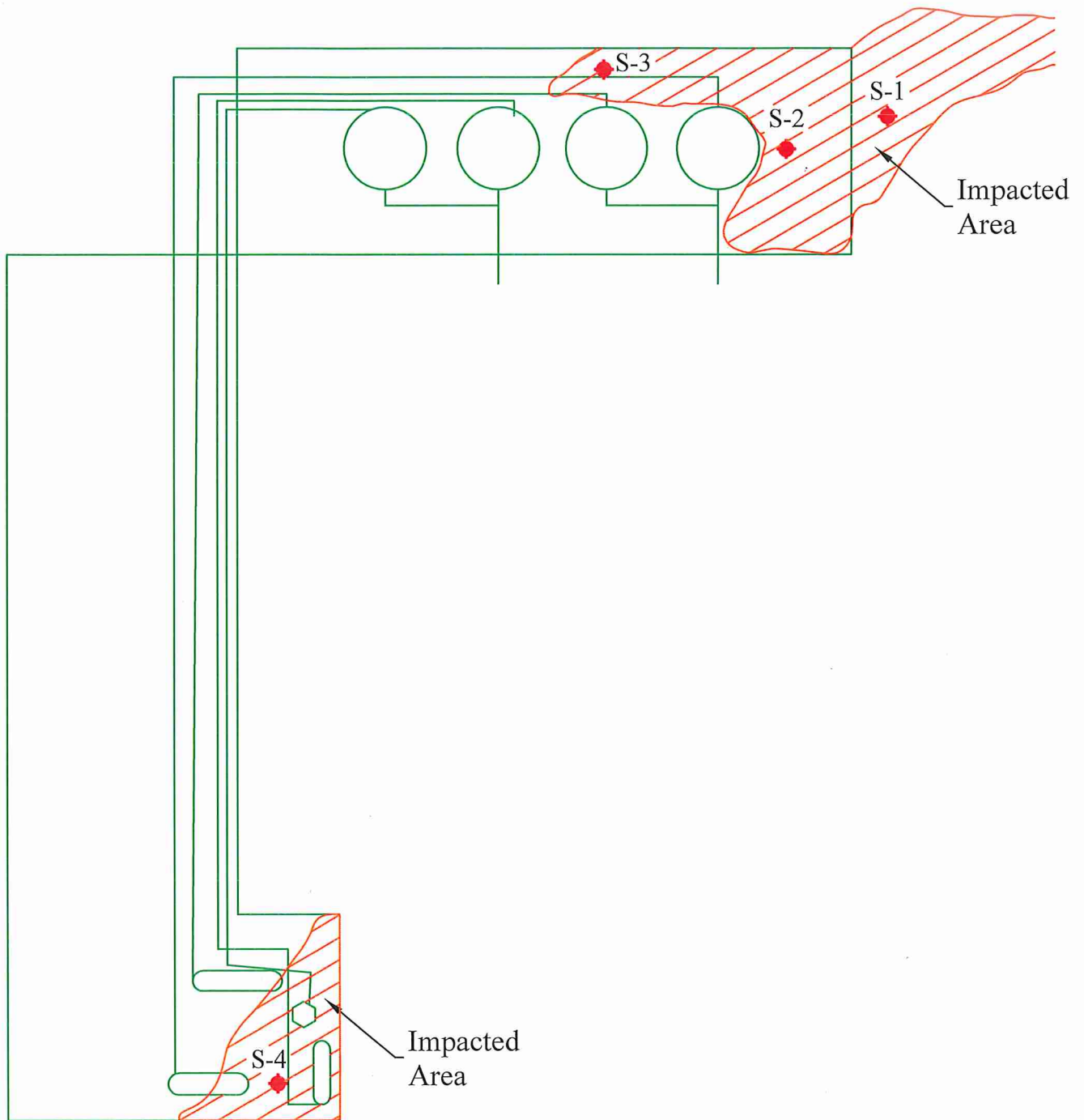
Kimberly M. Wilson  
Project Manager

David J. Adkins  
District Manager

## **APPENDIX I**

### **SITE MAP**





0 15 30  
Scale in Feet

Legend  
♦ - Sample Location



Date: 03/10/2015  
Scale: 1" = 30'  
Drawn By: TJS

Prize 27 CTB  
Oxy - NM - North  
Lea County, New Mexico  
Figure 1 - Site Plan

**APPENDIX II**  
**GROUNDWATER DATA**  
**INITIAL C-141**



# 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
<a href="#">C 02096</a>			ED	2	3	14	22S	32E		627204	3584464*	3249	435	360	75
<a href="#">C 02349</a>			ED	2	3	03	23S	32E		625678	3578004*	3616	525		

Average Depth to Water: 360 feet

Minimum Depth: 360 feet

Maximum Depth: 360 feet

Record Count: 2

### Basin/County Search:

County: Eddy

### UTMNAD83 Radius Search (in meters):

Easting (X): 625632

Northing (Y): 3581620

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.

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>OXY USA Inc.</b>	Contact: <b>Chris Jones</b>	
Address: <b>102 S. Main St. Carlsbad, NM 88220</b>	Telephone No.: <b>575-628-4121</b>	
Facility Name: <b>Prize 27 Federal #2</b>	Facility Type: <b>Battery</b>	
Surface Owner: <b>Federal</b>	Mineral Owner:	API No.: <b>30-025-31902</b> Lease No: <b>NM-81272</b>

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>P</b>	<b>27</b>	<b>22S</b>	<b>32E</b>	<b>660'</b>	<b>South</b>	<b>660'</b>	<b>East</b>	<b>Lea</b>

Latitude **32.357199 N** Longitude **-103.6561832 W**

#### NATURE OF RELEASE

Type of Release: <b>Produced Water</b>	Volume of Release: <b>25 bbls PW</b>	Volume Recovered: <b>23 bbls</b>
Source of Release: <b>Dump valve malfunctioned</b>	Date and Hour of Occurrence <b>2/25/2015</b>	Date and Hour of Discovery <b>2/25/2015 @ 8:00 am</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.\*

**RECEIVED**

By OCD; Dr. Oberding at 11:05 am, Mar 06, 2015

Describe Cause of Problem and Remedial Action Taken.\* **Tanks over flowed due to failure of the dump vale malfunction causing a release of 25 barrels of produced water. The facility was shut in and the valve was replaced. A vac truck was called to the location and recovered 23 barrels of fluids. Talon/LPE was contracted to perform an initial site assessment and soil sampling.**

Describe Area Affected and Cleanup Action Taken.\*

**The area affected is within the berms of the facility with an overspray area just west of the battery on location.**

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: <b>Chris Jones</b> <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones88@yahoo.com, c=US Date: 2015.03.06 08:19:19 -06'00'</small>
Printed Name: <b>Chris Jones</b>
Title: <b>HES Specialist</b>
E-mail Address: <b>Christopher.Jones@oxy.com</b>
Date: <b>3/5/2015</b> Phone: <b>575-628-4121</b>

#### OIL CONSERVATION DIVISION

Approved by **Environmental Specialist:**

Approval Date: **03/06/2015**

on Date:

**05/06/2015**

Conditions of Approval:

Attached ☐

**Site samples  
required. Delineate  
and remediate  
area as per  
NMOCD guides.**

**1RP-3559**

**16696**

**nTO1506540337**

**pTO1506540496**

\* Attach Additional Sheets If Necessary

**APPENDIX III**  
**LABORATORY RESULTS**



March 09, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PRIZE 27 #2

Enclosed are the results of analyses for samples received by the laboratory on 03/04/15 11:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-1 0' (H500601-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.31	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	24.3	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	28.3	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	106	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTEX	163	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	03/05/2015	ND	400	100	400	3.92	

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	3480	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	17700	100	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 198 % 47.2-157

Surrogate: 1-Chlorooctadecane 359 % 52.1-176

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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-1 1' (H500601-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	<0.050	0.050	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	<b>0.065</b>	0.050	03/06/2015	ND	1.97	98.6	2.00	6.14	
<b>Total Xylenes*</b>	<b>0.289</b>	0.150	03/06/2015	ND	6.26	104	6.00	5.05	
<b>Total BTEX</b>	<b>0.355</b>	0.300	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

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>176</b>	16.0	03/05/2015	ND	400	100	400	3.92	

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	03/05/2015	ND	191	95.6	200	0.733	
<b>DRO &gt;C10-C28</b>	<b>35.4</b>	10.0	03/05/2015	ND	205	103	200	4.15	

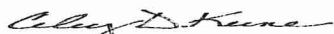
Surrogate: 1-Chlorooctane 88.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.2 % 52.1-176

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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-1 2' (H500601-03)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	0.065	0.050	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	0.052	0.050	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	0.151	0.150	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTEX	<0.300	0.300	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 61-154

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/05/2015	ND	400	100	400	3.92	

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	03/05/2015	ND	191	95.6	200	0.733	
DRO >C10-C28	39.5	10.0	03/05/2015	ND	205	103	200	4.15	

Surrogate: 1-Chlorooctane 84.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.7 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-1 3' (H500601-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	<0.050	0.050	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	<0.050	0.050	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	<0.150	0.150	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTEX	<0.300	0.300	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

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	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	<10.0	10.0	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 80.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.9 % 52.1-176

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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-1 4' (H500601-05)**

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2015	ND	1.74	87.0	2.00	9.22		
Toluene*	<0.050	0.050	03/06/2015	ND	1.97	98.5	2.00	6.92		
Ethylbenzene*	<0.050	0.050	03/06/2015	ND	1.97	98.6	2.00	6.14		
Total Xylenes*	<0.150	0.150	03/06/2015	ND	6.26	104	6.00	5.05		
Total BTX	<0.300	0.300	03/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 61-154

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	03/05/2015	ND	191	95.6	200	0.733	
DRO >C10-C28	<10.0	10.0	03/05/2015	ND	205	103	200	4.15	


Surrogate: 1-Chlorooctane 80.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.2 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-2 0' (H500601-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	17.3	5.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	103	5.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	41.8	5.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	141	15.0	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTEX	302	30.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/05/2015	ND	400	100	400	3.92	

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	7620	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	38300	100	03/05/2015	ND	205	103	200	4.15		

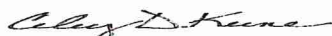
Surrogate: 1-Chlorooctane 261 % 47.2-157

Surrogate: 1-Chlorooctadecane 1020 % 52.1-176

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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-2 1' (H500601-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	20.9	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	16.5	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	41.1	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTX	78.6	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 133 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2015	ND	400	100	400	3.92	

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	2950	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	10900	100	03/05/2015	ND	205	103	200	4.15		

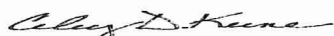
Surrogate: 1-Chlorooctane 168 % 47.2-157

Surrogate: 1-Chlorooctadecane 218 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-2 2' (H500601-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	27.5	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	22.2	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	71.4	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTX	12.1	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 134 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/05/2015	ND	400	100	400	3.92	

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	3190	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	10800	100	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 182 % 47.2-157

Surrogate: 1-Chlorooctadecane 211 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-2 3' (H500601-09)**

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	28.4	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	21.7	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	76.4	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTEX	126	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 141 % 61-154

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	2760	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	8140	100	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 216 % 47.2-157

Surrogate: 1-Chlorooctadecane 169 % 52.1-176

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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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-2 4' (H500601-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	32.5	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	25.2	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	92.9	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTEX	151	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 61-154

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	3050	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	8820	100	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 234 % 47.2-157

Surrogate: 1-Chlorooctadecane 175 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-3 0' (H500601-11)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>115</b>	10.0	03/06/2015	ND	1.74	87.0	2.00	9.22	
<b>Toluene*</b>	<b>326</b>	10.0	03/06/2015	ND	1.97	98.5	2.00	6.92	
<b>Ethylbenzene*</b>	<b>120</b>	10.0	03/06/2015	ND	1.97	98.6	2.00	6.14	
<b>Total Xylenes*</b>	<b>413</b>	30.0	03/06/2015	ND	6.26	104	6.00	5.05	
<b>Total BTX</b>	<b>974</b>	60.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 61-154

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>464</b>	16.0	03/05/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>21700</b>	100	03/05/2015	ND	191	95.6	200	0.733		
<b>DRO &gt;C10-C28</b>	<b>57600</b>	100	03/05/2015	ND	205	103	200	4.15		

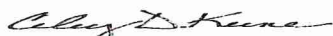
Surrogate: 1-Chlorooctane 581 % 47.2-157

Surrogate: 1-Chlorooctadecane 1420 % 52.1-176

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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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-3 1' (H500601-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.75	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	9.84	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	11.8	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	27.4	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTEX	58.8	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/05/2015	ND	400	100	400	3.92	

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	3470	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	13500	100	03/05/2015	ND	205	103	200	4.15		


Surrogate: 1-Chlorooctane 187 % 47.2-157

Surrogate: 1-Chlorooctadecane 274 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-3 2' (H500601-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>6.06</b>	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
<b>Toluene*</b>	<b>8.18</b>	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
<b>Ethylbenzene*</b>	<b>14.0</b>	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
<b>Total Xylenes*</b>	<b>27.7</b>	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
<b>Total BTEX</b>	<b>55.9</b>	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 151 % 61-154

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>16.0</b>	16.0	03/05/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>3330</b>	100	03/05/2015	ND	191	95.6	200	0.733		
<b>DRO &gt;C10-C28</b>	<b>14100</b>	100	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 250 % 47.2-157

Surrogate: 1-Chlorooctadecane 272 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-3 3' (H500601-14)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>6.05</b>	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
<b>Toluene*</b>	<b>8.61</b>	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
<b>Ethylbenzene*</b>	<b>14.1</b>	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
<b>Total Xylenes*</b>	<b>29.4</b>	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
<b>Total BTEX</b>	<b>58.2</b>	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PII) 153 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>3450</b>	100	03/05/2015	ND	191	95.6	200	0.733		
<b>DRO &gt;C10-C28</b>	<b>15000</b>	100	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 203 % 47.2-157

Surrogate: 1-Chlorooctadecane 300 % 52.1-176

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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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-3 4' (H500601-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>4.89</b>	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
<b>Toluene*</b>	<b>7.68</b>	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
<b>Ethylbenzene*</b>	<b>13.4</b>	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
<b>Total Xylenes*</b>	<b>30.1</b>	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
<b>Total BTEX</b>	<b>56.0</b>	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 152 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>3550</b>	100	03/05/2015	ND	191	95.6	200	0.733		
<b>DRO &gt;C10-C28</b>	<b>14100</b>	100	03/05/2015	ND	205	103	200	4.15		

Surrogate: 1-Chlorooctane 203 % 47.2-157

Surrogate: 1-Chlorooctadecane 267 % 52.1-176

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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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-4 0' (H500601-16)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22	
Toluene*	14.0	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92	
Ethylbenzene*	13.5	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14	
Total Xylenes*	48.9	6.00	03/06/2015	ND	6.26	104	6.00	5.05	
Total BTX	76.4	12.0	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 124 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	03/05/2015	ND	400	100	400	3.92	

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	1940	100	03/05/2015	ND	191	95.6	200	0.733		
DRO >C10-C28	30500	100	03/05/2015	ND	205	103	200	4.15		

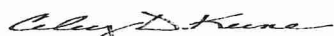
Surrogate: 1-Chlorooctane 223 % 47.2-157

Surrogate: 1-Chlorooctadecane 786 % 52.1-176

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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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-4 1' (H500601-17)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2015	ND	1.96	97.8	2.00	10.5	
Toluene*	0.069	0.050	03/09/2015	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	03/09/2015	ND	2.09	105	2.00	7.91	
Total Xylenes*	0.326	0.150	03/09/2015	ND	5.64	94.0	6.00	9.81	
Total BTEX	0.395	0.300	03/09/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.5 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	03/05/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/05/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	1670	50.0	03/05/2015	ND	182	90.8	200	9.33	

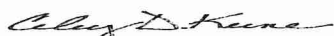
Surrogate: 1-Chlorooctane 92.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-4 2' (H500601-18)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2015	ND	2.09	105	2.00	6.24	
<b>Toluene*</b>	<b>0.059</b>	0.050	03/06/2015	ND	1.93	96.3	2.00	5.90	
Ethylbenzene*	<0.050	0.050	03/06/2015	ND	2.26	113	2.00	5.11	
Total Xylenes*	<0.150	0.150	03/06/2015	ND	6.07	101	6.00	6.11	
Total BTX	<0.300	0.300	03/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 61-154

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>688</b>	16.0	03/05/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	03/05/2015	ND	183	91.7	200	5.41	
<b>DRO &gt;C10-C28</b>	<b>327</b>	50.0	03/05/2015	ND	182	90.8	200	9.33	

Surrogate: 1-Chlorooctane 79.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.3 % 52.1-176

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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: 03/04/2015  
Reported: 03/09/2015  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: SEC 27, T22S, R32E

Sampling Date: 03/03/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Celey D. Keene

**Sample ID: S-4 3' (H500601-19)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	<0.050	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTX	<0.300	0.300	03/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

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	03/05/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	98.3	10.0	03/05/2015	ND	182	90.8	200	9.33	


Surrogate: 1-Chlorooctane 84.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.9 % 52.1-176

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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: 03/04/2015  
 Reported: 03/09/2015  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: SEC 27, T22S, R32E

 Sampling Date: 03/03/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Celey D. Keene

**Sample ID: S-4 4' (H500601-20)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/07/2015	ND	2.17	108	2.00	3.06	
Toluene*	<0.050	0.050	03/07/2015	ND	1.95	97.3	2.00	3.47	
Ethylbenzene*	<0.050	0.050	03/07/2015	ND	2.28	114	2.00	3.12	
Total Xylenes*	<0.150	0.150	03/07/2015	ND	6.24	104	6.00	3.52	
Total BTX	<0.300	0.300	03/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 61-154

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	03/05/2015	ND	183	91.7	200	5.41	
DRO >C10-C28	<10.0	10.0	03/05/2015	ND	182	90.8	200	9.33	

Surrogate: 1-Chlorooctane 76.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.3 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

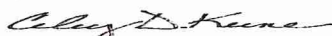
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1 of 2

ANALYSIS REQUEST

BILL TO

Company Name: Talon/LPE

P.O. #:

Project Manager:

Company: Talon/LPE

Address: 408 W. Texas Ave.

Attn:

City: Artesia

State: NM zip: 88210

Address:

Phone #: 575-746-8768

Fax #: 575-746-8905

City:

Project #:

Project Owner:

State:

Zip:

Project Name:

Project Location:

Phone #:

Sample Name:

Sample ID:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H500601

3-1 0-

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH

BTEX

6061 Chlorides

1

1

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1

1

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1

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Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

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Date:

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Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Delivered By: (Circle One)

3.2c

Sample Condition

Cool

Intact

Yes

No

Yes

No

Checked By:

(Initials)

3.2c

Sample Condition

Cool

Intact

Yes

No

Yes

No

Checked By:

(Initials)

3.2c

Sample Condition

Cool

Intact

Yes

No

Yes

No

Checked By:

(Initials)

3.2c

Sample Condition

Cool

Intact

Yes

No

Checked By:

(Initials)

3.2c

Sample Condition

Cool

Intact

Yes

No

Checked By:

(Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#57





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2522

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