



April 14, 2015

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Hobbs, NM 88240

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Amarillo, Texas 79107
Phone 806.467.0607
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Artesia, New Mexico 88210
Phone 575.746.8768
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HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
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MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
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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 >100'
Wellhead Protection Area >1000'
Distance to surface water body >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 25bbbls 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 23bbbls 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**, 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 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,

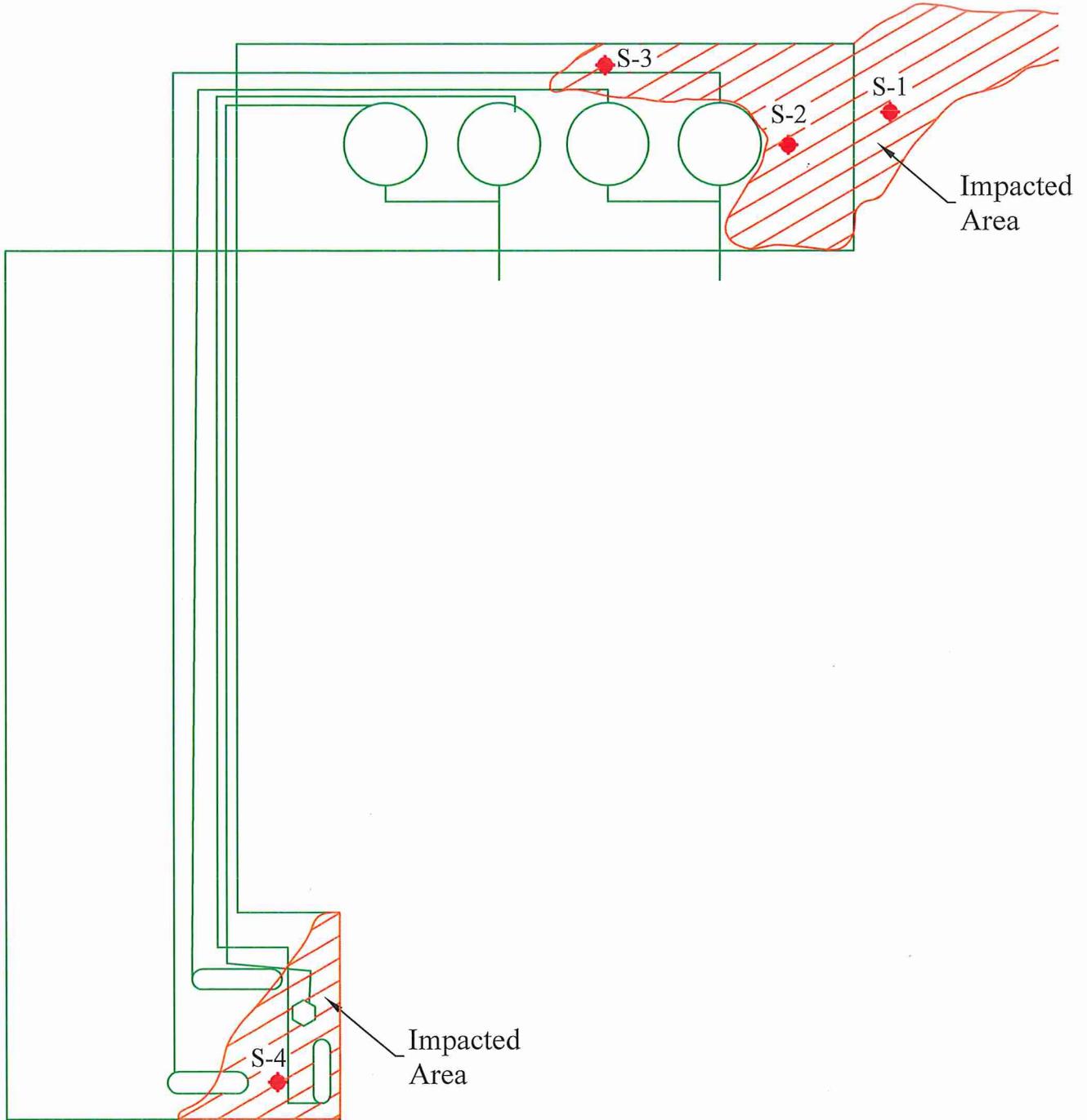
TALON/LPE

Kimberly M. Wilson
Project Manager

David J. Adkins
District Manager

APPENDIX I

SITE MAP



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
C 02096			ED	2	3	14	22S	32E		627204	3584464*	3249	435	360	75
C 02349			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: OXY USA Inc.	Contact: Chris Jones
Address: 102 S. Main St. Carlsbad, NM 88220	Telephone No.: 575-628-4121
Facility Name: Prize 27 Federal #2	Facility Type: Battery
Surface Owner: Federal	Mineral Owner:
	API No.: 30-025-31902 Lease No: NM-81272

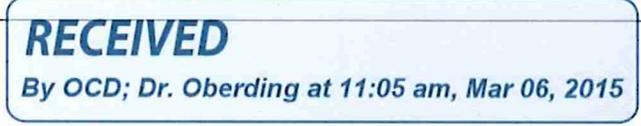
LOCATION OF RELEASE

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

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

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 25 bbls PW	Volume Recovered: 23 bbls
Source of Release: Dump valve malfunctioned	Date and Hour of Occurrence 2/25/2015	Date and Hour of Discovery 2/25/2015 @ 8:00 am
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.*

Describe Cause of Problem and Remedial Action Taken.* **Tanks over flowed due to failure of the dump vane 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: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=ckjones88@yahoo.com, c=US Date: 2015.03.06 08:19:06-06'00'</small>	OIL CONSERVATION DIVISION	
	Approved by <u>Environmental Specialist</u> :	
Printed Name: Chris Jones	Approval Date: 03/06/2015	on Date: 05/06/2015
Title: HES Specialist	Conditions of Approval:	
E-mail Address: Christopher.Jones@oxy.com	<div style="border: 2px solid red; padding: 5px; width: fit-content;"> Site samples required. Delineate and remediate area as per NMOCD guides. </div>	Attached <input type="checkbox"/>
Date: 3/5/2015 Phone: 575-628-4121		<div style="border: 2px solid red; padding: 5px; display: inline-block;">16696</div> <div style="border: 2px solid red; padding: 5px; display: inline-block;">1RP-3559</div> <div style="border: 2px solid red; padding: 5px; display: inline-block;">nTO1506540337</div> <div style="border: 2px solid red; padding: 5px; display: inline-block;">pTO1506540496</div>

* 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.

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	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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

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*	0.065	0.050	03/06/2015	ND	1.97	98.6	2.00	6.14		
Total Xylenes*	0.289	0.150	03/06/2015	ND	6.26	104	6.00	5.05		
Total BTEX	0.355	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	
Chloride	176	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	35.4	10.0	03/05/2015	ND	205	103	200	4.15		

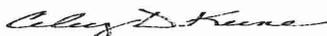
Surrogate: 1-Chlorooctane 88.5 % 47.2-157

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	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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, SM4500CI-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	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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

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 (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	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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

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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)

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*	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 BTEX	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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Analytical Results For:

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 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)

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*	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 BTEX	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			

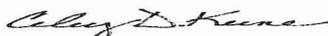
Surrogate: 1-Chlorooctane 182 % 47.2-157

Surrogate: 1-Chlorooctadecane 211 % 52.1-176

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Analytical Results For:

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 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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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 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			

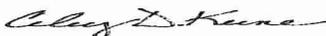
Surrogate: 1-Chlorooctane 234 % 47.2-157

Surrogate: 1-Chlorooctadecane 175 % 52.1-176

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Analytical Results For:

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 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)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	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	21700	100	03/05/2015	ND	191	95.6	200	0.733			
DRO >C10-C28	57600	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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 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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 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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	
Benzene*	6.06	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22		
Toluene*	8.18	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92		
Ethylbenzene*	14.0	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14		
Total Xylenes*	27.7	6.00	03/06/2015	ND	6.26	104	6.00	5.05		
Total BTEX	55.9	12.0	03/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	
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	3330	100	03/05/2015	ND	191	95.6	200	0.733			
DRO >C10-C28	14100	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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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	03/04/2015	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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	
Benzene*	6.05	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22		
Toluene*	8.61	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92		
Ethylbenzene*	14.1	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14		
Total Xylenes*	29.4	6.00	03/06/2015	ND	6.26	104	6.00	5.05		
Total BTEX	58.2	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		
GRO C6-C10	3450	100	03/05/2015	ND	191	95.6	200	0.733			
DRO >C10-C28	15000	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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Analytical Results For:

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 408 W. TEXAS AVE.
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 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	
Benzene*	4.89	2.00	03/06/2015	ND	1.74	87.0	2.00	9.22		
Toluene*	7.68	2.00	03/06/2015	ND	1.97	98.5	2.00	6.92		
Ethylbenzene*	13.4	2.00	03/06/2015	ND	1.97	98.6	2.00	6.14		
Total Xylenes*	30.1	6.00	03/06/2015	ND	6.26	104	6.00	5.05		
Total BTEX	56.0	12.0	03/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PII) 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		
GRO C6-C10	3550	100	03/05/2015	ND	191	95.6	200	0.733			
DRO >C10-C28	14100	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	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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

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*	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 BTEX	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	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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 (PIE) 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	Sampling Date:	03/03/2015
Reported:	03/09/2015	Sampling Type:	Soil
Project Name:	PRIZE 27 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	SEC 27, T22S, R32E		

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

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	2.09	105	2.00	6.24		
Toluene*	0.059	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 BTEX	<0.300	0.300	03/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	
Chloride	688	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	327	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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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)

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	03/07/2015	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 BTEX	<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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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)

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	03/07/2015	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 BTEX	<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

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

BILL TO

ANALYSIS REQUEST

1 of 2

Company Name: Talon/LPE
 Project Manager:
 Address: 408 W. Texas Ave.
 City: Artesia State: NM zip: 88210
 Phone #: 575-746-8768 Fax #: 575-746-8905
 Project #: Project Owner:
 Project Name: Pizarras #2
 Project Location: S-27, T-28, R-32 E
 Sampler Name: G. Bacon / R. D. Isola

P.O. #: D-114
 Company: Talon/LPE
 Attn:
 Address:
 City:
 State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H500601	S-1 0-	G							9-25	9:40	TPH	
	S-1 1-	G							9:45			
	S-1 2-	G							9:47			
	S-1 3-	G							9:51			
	S-1 4-	G							9:54			
	S-2 0-	G							10:05			
	S-2 1-	G							10:16			
	S-2 2-	G							10:13			
	S-2 3-	G							10:17			
	S-2 4-	G							10:21			

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Relinquished By: [Signature]
 Date: 3/4/15
 Time: 11:05
 Received By: [Signature]
 Date: [Blank]
 Time: [Blank]

Delivered By: (Circle One)
 UPS - Bus - Other: 3.2c
 Sample Condition: Cool Intact
 Yes No
 Checked By: [Signature]

REMARKS:
 OP66252737
 Task 01040502
 ELM 2019 1128148
 Proj = F

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #57

