



RECEIVED

By OCD; Dr. Oberding at 8:41 am, Apr 06, 2015

March 20, 2015

Dr. 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: **Remedial Activities and Closure Report**
Oxy Permian, LTD
Red Tank 34 Federal #13
API: 30-025-32761 (1RP-3539)

APPROVED

By OCD; Dr. Oberding at 8:41 am, Apr 06, 2015

Dear Dr. Oberding,

Oxy Permian (Oxy) has contracted Talon/LPE (Talon) to perform initial spill response, soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

Background Information

The Red Tank 34 Federal No. 13 is located approximately 47 miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter D, Section 34, Township 22 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.3542072666 North and -103.667914959212 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service, the soil in this area is made up of Kermit soils and dune land with 0 to 12 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvium and eolian sands which includes silty soils under lain by dense caliche layers. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S3-T23S-R32E. The ground water in Section 3 is reported to be a depth of 360' below ground surface (bgs). The referenced groundwater data is presented in Appendix II.

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

Incident Description

The nipple failed on the wellhead due to internal corrosion causing a release of 3 barrels of oil and 10 barrels of produced water. No fluids were recovered. All fluids remained on location surrounding the wellhead. Talon mobilized personnel to conduct a site assessment and conduct soil sampling activities utilizing a hand auger. The results of our soil sampling activities 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'	3.05	26400	237	1860
	1'	<0.300	10500	<10	18.0
	2'	<0.300	10700	<10	<10
	3'	<0.300	5730	<10	<10
	4'	<0.300	1840	<10	<10
S-2	0'	<0.300	32800	<10	<10
	1'	<0.300	6960	<10	<10
	2'	<0.300	192	<10	<10
	3'	<0.300	192	<10	<10
	4'	<0.300	256	<10	<10
S-3	0'	0.534	32400	18.5	1060
	1'	<0.300	2800	<10	<10
	2'	<0.300	512	<10	<10
	3'	<0.300	576	<10	<10
	4'	<0.300	1070	<10	<10
S-4	0'	<0.300	4240	<10	107
	0.5'	<0.300	<16	<10	<10
	1'	<0.300	<16	<10	<10
	2'	<0.300	32	<10	<10
	3'	<0.300	32	<10	<10

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH and 1,000 mg/kg for Chlorides.

Remedial Actions Taken

- The impacted area in the vicinity of sample location S-1 was excavated to a depth of 4-feet bgs.
- The impacted area in the vicinity of sample locations S-2 and S-3 were excavated to a depth of 2-feet bgs.
- The impacted area in the vicinity of sample location S-4 was excavated to a depth of 0.5-feet bgs.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The excavation was backfilled with caliche and contoured to match the surrounding location.

Closure

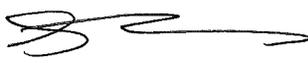
On behalf of Oxy Permian, LTD, we respectfully request that no further actions be required and that closure with respect to this release be granted.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

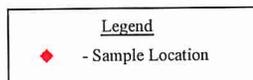
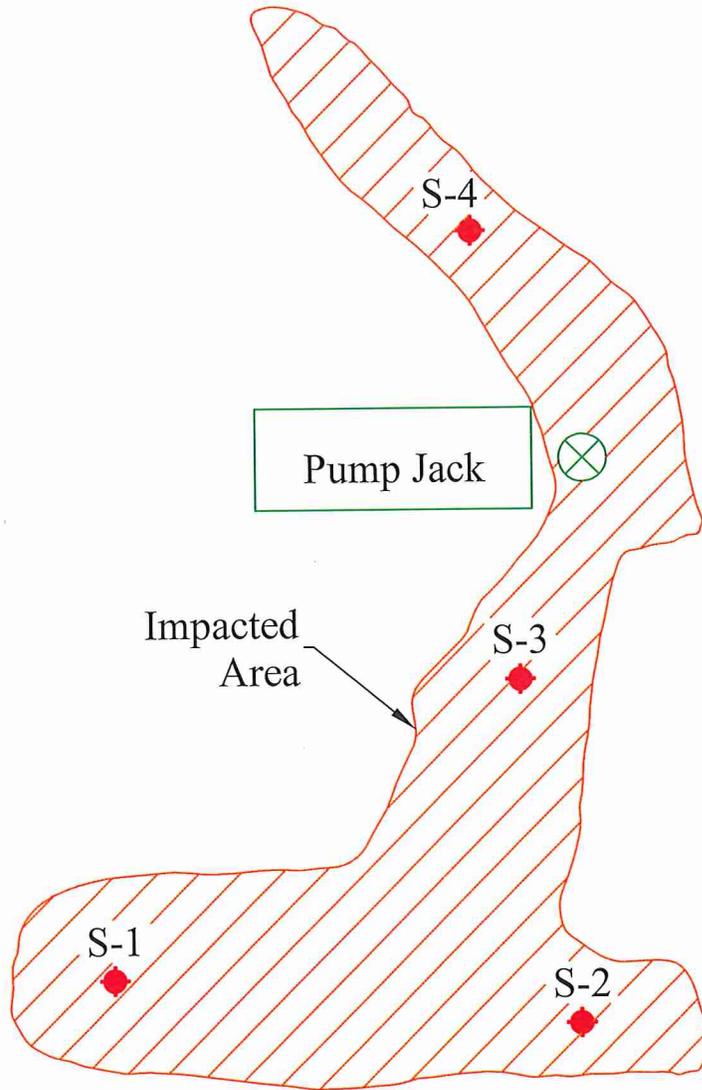
Respectfully submitted,

TALON/LPE


Sheldon L. Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



Date: 02/16/2015

Scale: 1" = 20'

Drawn By: TJS

Red Tank 34 Fed #13
Oxy - NM - North
Lea County, New Mexico
Figure 1 - Site Plan

GROUNDWATER DATA

INITIAL C-141

&

FINIAL 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 02349			ED	2	3	03	23S	32E		625678	3578004*	2557	525		
C 02096			ED	2	3	14	22S	32E		627204	3584464*	4462	435	360	75
C 02821	C		LE	2	2	3	14	22S	32E	627303	3584563*	4596	540	340	200

Average Depth to Water: **350 feet**

Minimum Depth: **340 feet**

Maximum Depth: **360 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 625144

Northing (Y): 3580505

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: Red Tank 34 Federal #13	Facility Type: Well
Surface Owner: Federal	Mineral Owner: _____ API No.: 30-025-32761

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	34	22S	32E	410'	North	990'	West	Lea

Latitude 32.5645954 N Longitude -104.1504613 W

NATURE OF RELEASE

Type of Release: Mixed Fluids	Volume of Release: 3 bbls Oil & 10 bbls PW	Volume Recovered: 0 bbls
Source of Release: Nipple on wellhead failure	Date and Hour of Occurrence: 2/11/2015	Date and Hour of Discovery: 2/11/2015 @ 8:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher & Heather Patterson @ NMOCD Jim Amos @ BLM	
By Whom? Kimberly Wilson	Date and Hour: 2/18/2015	
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.* The nipple on the wellhead failed due to internal corrosion causing a release of 3 barrels of oil and 10 barrels of produced water. No fluids were recovered. Talon/LPE was contracted to perform an initial site assessment and soil sampling.		
Describe Area Affected and Cleanup Action Taken.* The area affected is around the wellhead measuring approximately 30'x50'.		
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=ckjones888@yahoo.com, c=US Date: 2015.02.18 13:03:35 -06'00'</small>	OIL CONSERVATION DIVISION	
Printed Name: Chris Jones	Approved by Environmental Specialist:	
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2/18/2015 Phone: 575-628-4121		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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: Red Tank 34 Federal #13	Facility Type: Well
Surface Owner: Federal	Mineral Owner: _____ API No.: 30-025-32761

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	34	22S	32E	410'	North	990'	West	Lea

Latitude 32.5645954 N Longitude -104.1504613 W

NATURE OF RELEASE

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Source of Release: Nipple on wellhead failure	Date and Hour of Occurrence: 2/11/2015	Date and Hour of Discovery: 2/11/2015 @ 8:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher & Heather Patterson @ NMOCD Jim Amos @ BLM	
By Whom? Kimberly Wilson	Date and Hour: 2/18/2015	
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.* **The nipple on the wellhead failed due to internal corrosion causing a release of 3 barrels of oil and 10 barrels of produced water. No fluids were recovered. Talon/LPE was contracted to perform an initial site assessment and soil sampling. Upon receipt of analytical results from the initial soil sampling event a work plan was drafted and subsequently approved by the OCD and BLM.**

Describe Area Affected and Cleanup Action Taken.*
The area affected is around the wellhead measured approximately 30'x50'. Upon regulatory approval of the work plan, Talon/LPE mobilized personnel and equipment to excavate the impacted area in accordance with the work plan. All of the excavated material was hauled to an NMOCD approved solid waste disposal facility, the excavation was backfilled with caliche and contoured to match the surrounding 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.

OIL CONSERVATION DIVISION	
Signature:	Approved by Environmental Specialist:
Printed Name: Chris Jones	Approval Date: _____ Expiration Date: _____
Title: HES Specialist	Conditions of Approval: _____ Attached <input type="checkbox"/>
E-mail Address: Christopher.Jones@oxy.com	
Date: 3/18/2015 Phone: 575-628-4121	

* Attach Additional Sheets If Necessary

LABORATORY RESULTS



February 18, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: RED TANK 34 FED #13

Enclosed are the results of analyses for samples received by the laboratory on 02/12/15 15:25.

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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 0' (H500413-01)

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	02/14/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	0.513	0.050	02/14/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	0.456	0.050	02/14/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	2.08	0.150	02/14/2015	ND	4.54	75.7	6.00	10.2	
Total BTEX	3.05	0.300	02/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	26400	16.0	02/13/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	237	50.0	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	1860	50.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 132 % 47.2-157

Surrogate: 1-Chlorooctadecane 135 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 1' (H500413-02)

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	02/14/2015	ND	1.64	82.1	2.00	10.0	
Toluene*	<0.050	0.050	02/14/2015	ND	1.59	79.6	2.00	10.4	
Ethylbenzene*	<0.050	0.050	02/14/2015	ND	1.53	76.7	2.00	9.83	
Total Xylenes*	<0.150	0.150	02/14/2015	ND	4.54	75.7	6.00	10.2	
Total BTEX	<0.300	0.300	02/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	10500	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	18.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

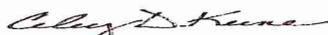
Surrogate: 1-Chlorooctane 115 % 47.2-157

Surrogate: 1-Chlorooctadecane 118 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 2' (H500413-03)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.6 % 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	10700	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 115 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 3' (H500413-04)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.7% 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	5730	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 120% 47.2-157

Surrogate: 1-Chlorooctadecane 126% 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 4' (H500413-05)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	1840	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 117 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Analytical Results For:

 TALON LPE
 DAVID ADKINS
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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0' (H500413-06)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 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	32800	16.0	02/13/2015	ND	416	104	400	3.77		

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	02/17/2015	ND	210	105	200	0.411		
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19		

Surrogate: 1-Chlorooctane 113 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 52.1-176

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

Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 1' (H500413-07)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PII) 95.2 % 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	6960	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 124 % 47.2-157

Surrogate: 1-Chlorooctadecane 128 % 52.1-176

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Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 2' (H500413-08)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 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	192	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 125 % 47.2-157
Surrogate: 1-Chlorooctadecane 129 % 52.1-176

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Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 3' (H500413-09)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.7 % 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	192	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 121 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Analytical Results For:

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

Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 4' (H500413-10)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.5 % 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	256	16.0	02/13/2015	ND	416	104	400	3.77		

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	02/17/2015	ND	210	105	200	0.411		
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19		

Surrogate: 1-Chlorooctane 116 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

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 Fax To: (575) 745-8905

Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0' (H500413-11)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	0.171	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	0.067	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	0.295	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	0.534	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 93.3 % 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	32400	16.0	02/13/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	18.5	10.0	02/17/2015	ND	201	101	200	3.26		
DRO >C10-C28	1060	10.0	02/17/2015	ND	187	93.5	200	4.78		

Surrogate: 1-Chlorooctane 125 % 47.2-157

Surrogate: 1-Chlorooctadecane 137 % 52.1-176

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 Fax To: (575) 745-8905

Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 1' (H500413-12)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 93.2 % 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	2800	16.0	02/13/2015	ND	416	104	400	3.77		

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	02/17/2015	ND	210	105	200	0.411		
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19		

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 128 % 52.1-176

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 Fax To: (575) 745-8905

Received:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 2' (H500413-13)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	512	16.0	02/13/2015	ND	416	104	400	3.77	

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	02/17/2015	ND	210	105	200	0.411	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	196	98.0	200	2.19	

Surrogate: 1-Chlorooctane 122 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 3' (H500413-14)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.7 % 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	576	16.0	02/13/2015	ND	416	104	400	3.77		

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	02/16/2015	10.2	194	96.9	200	1.16		
DRO >C10-C28	<10.0	10.0	02/16/2015	ND	187	93.6	200	0.248		

Surrogate: 1-Chlorooctane 92.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.4 % 52.1-176

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Celestine 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 4' (H500413-15)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.5 % 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	1070	16.0	02/13/2015	ND	416	104	400	3.77		

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	02/16/2015	10.2	194	96.9	200	1.16		
DRO >C10-C28	<10.0	10.0	02/16/2015	ND	187	93.6	200	0.248		

Surrogate: 1-Chlorooctane 86.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.0 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 0' (H500413-16)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PII) 94.2 % 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	4240	16.0	02/13/2015	ND	416	104	400	3.77		

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	02/16/2015	10.2	194	96.9	200	1.16		
DRO >C10-C28	107	10.0	02/16/2015	ND	187	93.6	200	0.248		

Surrogate: 1-Chlorooctane 92.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.5 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 0.5' (H500413-17)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	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	<16.0	16.0	02/13/2015	ND	416	104	400	3.77		

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	02/16/2015	10.2	194	96.9	200	1.16		
DRO >C10-C28	<10.0	10.0	02/16/2015	ND	187	93.6	200	0.248		

Surrogate: 1-Chlorooctane 91.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.9 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 1' (H500413-18)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.0 % 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	02/13/2015	ND	416	104	400	3.77		

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	02/16/2015	10.2	194	96.9	200	1.16		
DRO >C10-C28	<10.0	10.0	02/16/2015	ND	187	93.6	200	0.248		

Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.3 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 2' (H500413-19)

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	02/16/2015	ND	1.61	80.3	2.00	16.2	
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8	
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2	
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8	
Total BTEX	<0.300	0.300	02/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.4 % 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	02/16/2015	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	02/16/2015	10.2	194	96.9	200	1.16	
DRO >C10-C28	<10.0	10.0	02/16/2015	ND	187	93.6	200	0.248	

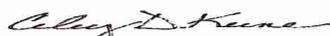
Surrogate: 1-Chlorooctane 93.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.1 % 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:	02/12/2015	Sampling Date:	02/12/2015
Reported:	02/18/2015	Sampling Type:	Soil
Project Name:	RED TANK 34 FED #13	Sampling Condition:	Cool & Intact
Project Number:	700608.411.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 3' (H500413-20)

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	02/16/2015	ND	1.61	80.3	2.00	16.2		
Toluene*	<0.050	0.050	02/16/2015	ND	1.56	78.2	2.00	15.8		
Ethylbenzene*	<0.050	0.050	02/16/2015	ND	1.46	73.2	2.00	18.2		
Total Xylenes*	<0.150	0.150	02/16/2015	ND	4.33	72.1	6.00	18.8		
Total BTEX	<0.300	0.300	02/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.7 % 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	32.0	16.0	02/16/2015	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	02/16/2015	10.2	194	96.9	200	1.16		
DRO >C10-C28	<10.0	10.0	02/16/2015	ND	187	93.6	200	0.248		

Surrogate: 1-Chlorooctane 93.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- 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

1610FR

Company Name: Talon/LPE BILL TO ANALYSIS REQUEST

Project Manager: D. Adkins P.O. #: 0XX

Address: 408 W. Texas Ave. Company: Talon/LPE

City: Artesia Attn:

Phone #: 575-746-8768 Address:

Project #: 700log.411.01 City:

Project Name: Red Tank 34 Fed #13 State: Zip:

Project Location: Phone #:

Sampler Name: S. Hitchcock Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H500413	5-10'	G	1	/	/	/	/	/	/	/	2/12/15	12:37	TPH
	5-11'	G	1	/	/	/	/	/	/	/	12:39	12:39	BTEX
	5-12'	G	1	/	/	/	/	/	/	/	12:43	12:43	Chlorides
	5-13'	G	1	/	/	/	/	/	/	/	12:47	12:47	
	5-14'	G	1	/	/	/	/	/	/	/	12:50	12:50	
	5-20'	G	1	/	/	/	/	/	/	/	12:53	12:53	
	5-21'	G	1	/	/	/	/	/	/	/	12:54	12:54	
	5-22'	G	1	/	/	/	/	/	/	/	12:56	12:56	
	5-23'	G	1	/	/	/	/	/	/	/	12:58	12:58	
	5-24'	G	1	/	/	/	/	/	/	/	1:00	1:00	

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Relinquished By: S. Hitchcock Date: 2/12/15 Time: 5:25
 Received By: Scott Henderson

Delivered By: (Circle One) UPS Bus Other 5.802
 Sample Condition: Cool Intact Yes No Yes No No

Checked By: SA
 Phone Result: Yes No No No No
 Add'l Phone #:
 Add'l Fax #:
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #554



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PL 2012

Company Name: Talon/LPE Project Manager: D. Adkins Address: 408 W. Texas Ave. City: Artesia Phone #: 575-746-8768 Project #: 70066841101 Project Name: Red Tank 34 Fed #3 Project Location: Sampler Name: S. Hitchcock <small>FOR LAB USE ONLY</small>		State: NM Zip: 88210 Fax #: 575-746-8905 Project Owner: OXY City: State: Zip: Phone #: Fax #:		BILL TO P.O. #: OXY Company: Talon/LPE Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H500413		G	1	/	/	/	/	/	/	2/2/15	1:06	TPH
11	5-3 0'	G	1	/	/	/	/	/	/		1:08	BTEX
12	5-3 1'	G	1	/	/	/	/	/	/		1:10	Chlorides
13	5-3 2'	G	1	/	/	/	/	/	/		1:12	
14	5-3 3'	G	1	/	/	/	/	/	/		1:14	
15	5-3 4'	G	1	/	/	/	/	/	/		1:15	
16	5-4 0'	G	1	/	/	/	/	/	/		1:17	
17	5-4 0.5'	G	1	/	/	/	/	/	/		1:19	
18	5-4 1'	G	1	/	/	/	/	/	/		1:20	
19	5-4 2'	G	1	/	/	/	/	/	/		1:21	
20	5-4 3'	G	1	/	/	/	/	/	/		1:23	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the service. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Sheldas Perina Date: 2/2/15 Type: 325
 Received By: Scott Johnson Date: 2/2/15 Type: 325
 Relinquished By: _____ Date: _____ Type: _____
 Received By: _____ Date: _____ Type: _____

Delivered By: (Circle One) UPS 5.80 Sample Condition: Intact Cool Yes No No No
 Checked By: [Signature]
 REMARKS: #54

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