



January 9, 2015

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

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

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

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

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

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

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

Subject: **Soil Assessment and Remediation Work Plan**
Oxy Permian LTD
Federal 26 #003
30-015-26788 (Lease No. NMNM-62590)

Dear Mr. Bratcher,

Oxy Permian (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.

Incident Date

The release was discovered on December 15, 2014

Background Information

The Oxy Federal 26 #003 is located approximately forty-five (45) miles southeast of Carlsbad, New Mexico. The legal location for this site is Unit Letter C, Section 26, Township 22 South, and Range 31 East in Eddy county, new Mexico. More specifically the latitude and longitude for the release are 32.3680047 North and - 103.7502465 West.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Berino complex with 0 to 3 percent slopes, eroded. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 401-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. 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

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

A 3-inch poly line split causing a release of 16bbbls of produced water and 5bbbls of oil. 0bbbls of fluid were recovered. The area affected was along the lease road approximately 200-feet southeast of the wellhead. The fluid flowed from the release point down the side of the lease road in the drainage ditch for approximately 1500-feet. Talon mobilized personnel to conduct a site assessment and perform soil sampling within the impacted area. The analytical results from the 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	54.3	1010	2830	16100
S-1	1	ND	32	ND	ND
S-1	2	ND	ND	ND	ND
S-1	3	ND	ND	ND	ND
S-2	0	1.48	592	153	3230
S-2	1	ND	ND	ND	ND
S-2	2	ND	ND	ND	ND
S-2	3	ND	ND	ND	ND
S-3	0	ND	464	52.5	2980
S-3	1	ND	48	ND	ND
S-3	2	ND	32	ND	ND
S-3	3	ND	32	ND	ND
S-4	0	ND	256	ND	970
S-4	1	ND	ND	ND	ND
S-4	2	ND	ND	ND	ND
S-5	0	ND	1580	ND	302
S-5	1	ND	48	ND	ND
S-5	2	ND	ND	ND	ND
S-5	3	ND	ND	ND	ND
S-6	0	2.01	17200	182	3420
S-6	1	ND	48	ND	ND
S-6	2	ND	ND	ND	ND
S-6	3	ND	112	ND	ND
S-7	0	19.9	17200	1340	9270
S-7	1	ND	5200	ND	ND
S-7	2	ND	112	ND	ND
S-7	3	ND	80	ND	ND
S-8	0	ND	7330	ND	ND
S-8	1	ND	ND	ND	ND
S-8	2	ND	96	ND	ND
S-8	3	ND	240	ND	ND

S-9	0	ND	7460	ND	ND
S-9	1	ND	48	ND	ND
S-9	2	ND	ND	ND	ND
S-9	3	ND	ND	ND	ND

(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 areas in the vicinity of sample locations S-1, S-5, S-6, S-8, and S-9 will be excavated to a depth of 1-foot bgs.
- The area in the vicinity of sample location S-7 will be excavated to a depth of 2-feet bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with top soil and contoured to match the surrounding terrain.
- Once the excavation is backfilled it will be seeded with the recommended BLM seed mixture for this area.

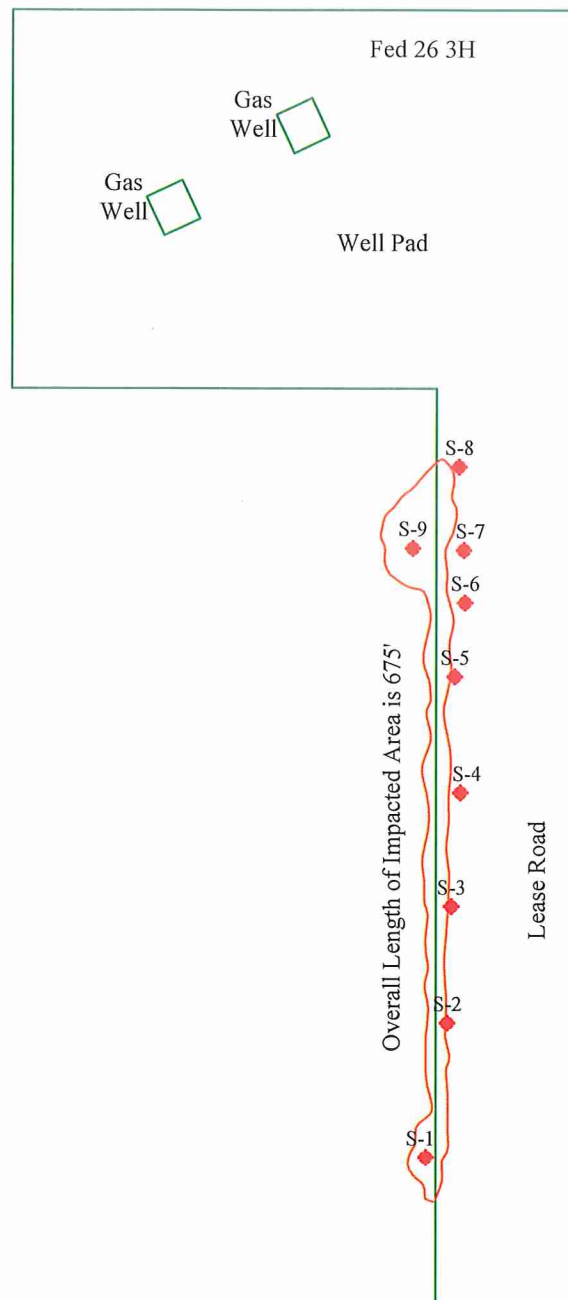
Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

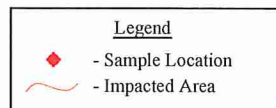

Sheldon Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



NTS
Scale in Feet



Date: 01/06/2015

Scale: NTS

Drawn By: TJS

Federal 26 #3H
Oxy - NM - North
Eddy County, New Mexico
Figure 1 - Site Plan

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 03138			ED	3	3	3	26	22S	31E	617043	3580591*	1419	750		
C 02756			ED	3	4	4	26	22S	31E	618250	3580606*	1726	1998		
C 03152			ED	3	4	4	26	22S	31E	618250	3580606*	1726	938		
C 02685			ED	2	2	2	28	22S	31E	615218	3581978*	2011	900		
C 03150			ED	2	4	4	14	22S	31E	618412	3584025*	2346	981		
C 02416			ED	3	2	4	28	22S	31E	615027	3580973*	2428	800	401	399
C 02757			ED	4	4	4	28	22S	31E	615232	3580571*	2454	4057		
C 02420			ED	4	2	3	28	22S	31E	614423	3580964*	2990	779	450	329
C 02421			ED	4	2	3	28	22S	31E	614423	3580964*	2990	786	450	336
C 02422			ED	4	2	3	28	22S	31E	614423	3580964*	2990	785	450	335
C 02423			ED	4	2	3	28	22S	31E	614423	3580964*	2990	782	450	332
C 02424			ED	4	2	3	28	22S	31E	614423	3580964*	2990	786	450	336
C 02425			ED	4	2	3	28	22S	31E	614423	3580964*	2990	788	450	338
C 02426			ED	4	2	3	28	22S	31E	614423	3580964*	2990	785	450	335

Average Depth to Water: **443 feet**

Minimum Depth: **401 feet**

Maximum Depth: **450 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 617229

Northing (Y): 3581998

Radius: 3000

*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

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: Federal 26 Federal #3H	Facility Type: Well	
Surface Owner: Federal	Mineral Owner:	API No.: 30-015-26788 Lease No.: NMNM-62590

LOCATION OF RELEASE

Unit Letter C	Section 26	Township 22S	Range 31E	Feet from the 610'	North/South Line North	Feet from the 2130'	East/West Line West	County Eddy
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Latitude **32.3680047 N** Longitude **-103.750246 W**

NATURE OF RELEASE

Type of Release: Mixed Fluids	Volume of Release: 5 bbls Oil & 16 bbls PW	Volume Recovered: 0 bbls
Source of Release: 3" Poly Line	Date and Hour of Occurrence 12/15/2014	Date and Hour of Discovery 12/15/2014
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/OCD -- email Jeff Robertson/OCD -- email	
By Whom? Kimberly Wilson	Date and Hour: 12/16/14	
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.* A 3-inch poly line split causing a release of 16 barrels of produced water and 5 barrels of oil. Talon/LPE was contracted to perform an initial site assessment and soil sampling.		
Describe Area Affected and Cleanup Action Taken.* The area affected is approximately 200-feet southeast of the wellhead measuring approximately 1500-feet long off the location and down the drainage ditch.		
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:	<u>OIL CONSERVATION DIVISION</u>	
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: 12/18/2014 Phone: 575-628-4121		

* Attach Additional Sheets If Necessary

LABORATORY RESULTS



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

January 08, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FEDERAL 26 #3H

Enclosed are the results of analyses for samples received by the laboratory on 01/05/15 14:45.

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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 1 0' (H500018-01)

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	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	17.7	2.00	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	8.19	2.00	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	28.4	6.00	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	54.3	12.0	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 89.5 % 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	1010	16.0	01/06/2015	ND	432	108	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	2830	100	01/06/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	16100	100	01/06/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 168 % 47.2-157

Surrogate: 1-Chlorooctadecane 335 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 1 1' (H500018-02)

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	01/06/2015	ND	1.66	82.8	2.00	7.65		
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21		
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48		
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32		
Total BTEX	<0.300	0.300	01/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIB) 85.8 % 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	01/06/2015	ND	432	108	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	01/06/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/06/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 61.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 69.0 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 1 2' (H500018-03)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/06/2015	ND	1.66	82.8	2.00	7.65		
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21		
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48		
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32		
Total BTX	<0.300	0.300	01/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 82.9 % 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	<16.0	16.0	01/06/2015	ND	432	108	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	01/06/2015	ND	186	93.0	200	1.93		
DRO >C10-C28	<10.0	10.0	01/06/2015	ND	215	108	200	9.55		

Surrogate: 1-Chlorooctane 60.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 78.0 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 1 3' (H500018-04)

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	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PII) 83.9 % 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	<16.0	16.0	01/06/2015	ND	432	108	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	01/06/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/06/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 61.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 69.1 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 2 0' (H500018-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	0.085	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	0.198	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	1.19	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	1.48	0.300	01/06/2015	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	592	16.0	01/06/2015	ND	432	108	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	153	50.0	01/06/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	3230	50.0	01/06/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 81.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 2 1' (H500018-06)

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	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 85.3 % 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	01/06/2015	ND	432	108	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	01/06/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/06/2015	ND	215	108	200	9.55	

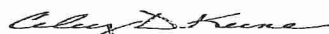
Surrogate: 1-Chlorooctane 61.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 70.5 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 2 2' (H500018-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 83.9 % 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	<16.0	16.0	01/06/2015	ND	432	108	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	01/06/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/06/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 61.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 72.3 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 2 3' (H500018-08)

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	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 84.6 % 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	<16.0	16.0	01/06/2015	ND	432	108	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	01/06/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/06/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 59.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 67.1 % 52.1-176

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Analytical Results For:

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

Received: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 3 0' (H500018-09)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	01/06/2015	ND	1.66	82.8	2.00	7.65		
Toluene*	<0.200	0.200	01/06/2015	ND	1.68	83.9	2.00	6.21		
Ethylbenzene*	<0.200	0.200	01/06/2015	ND	1.60	80.2	2.00	5.48		
Total Xylenes*	<0.600	0.600	01/06/2015	ND	4.75	79.1	6.00	6.32		
Total BTEX	<1.20	1.20	01/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 88.7 % 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	464	16.0	01/06/2015	ND	432	108	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	52.5	50.0	01/06/2015	ND	186	93.0	200	1.93		
DRO >C10-C28	2980	50.0	01/06/2015	ND	215	108	200	9.55		

Surrogate: 1-Chlorooctane 72.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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Analytical Results For:

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 Fax To: (575) 745-8905

 Received: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 3 1' (H500018-10)

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	01/06/2015	ND	1.66	82.8	2.00	7.65		
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21		
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48		
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32		
Total BTEX	<0.300	0.300	01/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.4 % 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	48.0	16.0	01/06/2015	ND	432	108	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	01/06/2015	ND	186	93.0	200	1.93		
DRO >C10-C28	<10.0	10.0	01/06/2015	ND	215	108	200	9.55		

Surrogate: 1-Chlorooctane 61.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 70.3 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T2S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 3 2' (H500018-11)

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	01/06/2015	ND	1.66	82.8	2.00	7.65		
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21		
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48		
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32		
Total BTEX	<0.300	0.300	01/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 85.0 % 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	32.0	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 64.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 82.4 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 3 3' (H500018-12)

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	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 86.1 % 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	01/06/2015	ND	432	108	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	01/07/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	215	108	200	9.55	


Surrogate: 1-Chlorooctane 58.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 66.0 % 52.1-176

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Analytical Results For:

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

Received: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 4 0' (H500018-13)

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	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 86.9 % 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	256	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	970	10.0	01/07/2015	ND	215	108	200	9.55	

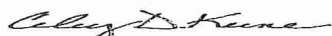
Surrogate: 1-Chlorooctane 64.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 89.3 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 4 1' (H500018-14)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 84.8 % 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	01/06/2015	ND	432	108	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	01/07/2015	ND	186	93.0	200	1.93		
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	215	108	200	9.55		

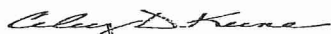
Surrogate: 1-Chlorooctane 59.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 75.9 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 4 2' (H500018-15)

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	01/06/2015	ND	1.66	82.8	2.00	7.65			
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21			
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48			
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32			
Total BTEX	<0.300	0.300	01/06/2015	ND							

Surrogate: 4-Bromofluorobenzene (PID) 84.7 % 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	<16.0	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	186	93.0	200	1.93	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	215	108	200	9.55	

Surrogate: 1-Chlorooctane 62.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 80.1 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T2S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 5 0' (H500018-16)

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	01/06/2015	ND	1.66	82.8	2.00	7.65	
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21	
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48	
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32	
Total BTEX	<0.300	0.300	01/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 85.1 % 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	1580	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	302	10.0	01/07/2015	ND	184	92.2	200	6.54	

Surrogate: 1-Chlorooctane 59.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.9 % 52.1-176

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Analytical Results For:

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

Received: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 5 1' (H500018-17)

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	01/06/2015	ND	1.66	82.8	2.00	7.65		
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21		
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48		
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32		
Total BTEX	<0.300	0.300	01/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 84.8 % 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	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

Surrogate: 1-Chlorooctane 58.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 79.7 % 52.1-176

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Analytical Results For:

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

Received: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 5 2' (H500018-18)

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	01/06/2015	ND	1.66	82.8	2.00	7.65		
Toluene*	<0.050	0.050	01/06/2015	ND	1.68	83.9	2.00	6.21		
Ethylbenzene*	<0.050	0.050	01/06/2015	ND	1.60	80.2	2.00	5.48		
Total Xylenes*	<0.150	0.150	01/06/2015	ND	4.75	79.1	6.00	6.32		
Total BTEX	<0.300	0.300	01/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 83.8 % 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	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88			
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54			

Surrogate: 1-Chlorooctane 62.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.3 % 52.1-176

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Analytical Results For:

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Fax To: (575) 745-8905

Received: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 5 3' (H500018-19)

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	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTEX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 78.9 % 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	<16.0	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88			
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54			


Surrogate: 1-Chlorooctane 57.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 68.1 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 6 0' (H500018-20)

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	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	0.201	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	0.295	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	1.52	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTEX	2.01	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 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	17200	16.0	01/06/2015	ND	432	108	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	182	100	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	3420	100	01/07/2015	ND	184	92.2	200	6.54	


Surrogate: 1-Chlorooctane 73.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 6 1' (H500018-21)

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	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTEX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 77.3 % 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	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88		
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54		

Surrogate: 1-Chlorooctane 62.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 80.6 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 6 2' (H500018-22)

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	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTEX	<0.300	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 78.6 % 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	<16.0	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

Surrogate: 1-Chlorooctane 62.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 76.6 % 52.1-176

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Analytical Results For:

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

Received: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 6 3' (H500018-23)

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	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTEX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 80.0 % 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	112	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	


Surrogate: 1-Chlorooctane 64.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 71.6 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 7 0' (H500018-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.062	0.050	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	4.64	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	3.09	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	12.1	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTEX	19.9	0.300	01/07/2015	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	01/06/2015	ND	432	108	400	3.77	

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	1340	100	01/07/2015	ND	184	91.9	200	2.88		
DRO >C10-C28	9270	100	01/07/2015	ND	184	92.2	200	6.54		


Surrogate: 1-Chlorooctane 181 % 47.2-157

Surrogate: 1-Chlorooctadecane 224 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 7 1' (H500018-25)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 81.5 % 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	5200	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88			
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54			

Surrogate: 1-Chlorooctane 60.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 74.2 % 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: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 7 2' (H500018-26)

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	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTEX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 78.4 % 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	112	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

Surrogate: 1-Chlorooctane 62.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.5 % 52.1-176

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Analytical Results For:

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 Fax To: (575) 745-8905

 Received: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 7 3' (H500018-27)

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	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTEX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 79.4 % 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	80.0	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88		
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54		

Surrogate: 1-Chlorooctane 65.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 76.8 % 52.1-176

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Analytical Results For:

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 DAVID ADKINS
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 Fax To: (575) 745-8905

 Received: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 8 0' (H500018-28)

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	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTEX	<0.300	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 78.8 % 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	7330	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

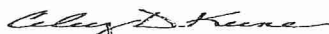
Surrogate: 1-Chlorooctane 62.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 82.5 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 8 1' (H500018-29)

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	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTEX	<0.300	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 78.8 % 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	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

Surrogate: 1-Chlorooctane 63.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 82.8 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 8 2' (H500018-30)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTX	<0.300	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 80.2 % 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	96.0	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

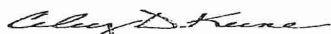
Surrogate: 1-Chlorooctane 62.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 78.7 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T2S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 8 3' (H500018-31)

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	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTEX	<0.300	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.7 % 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	240	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88		
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54		

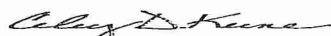
Surrogate: 1-Chlorooctane 62.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 78.6 % 52.1-176

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

 Received: 01/05/2015
 Reported: 01/08/2015
 Project Name: FEDERAL 26 #3H
 Project Number: 70060838701
 Project Location: SEC 26 T22S, R31E

 Sampling Date: 12/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 9 0' (H500018-32)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTX	<0.300	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 81.3 % 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	7460	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

Surrogate: 1-Chlorooctane 63.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.8 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T2S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 9 1' (H500018-33)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 80.0 % 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	48.0	16.0	01/06/2015	ND	432	108	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	01/07/2015	ND	184	91.9	200	2.88			
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54			


Surrogate: 1-Chlorooctane 64.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.7 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 9 2' (H500018-34)

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	01/07/2015	ND	1.66	82.8	2.00	8.00	
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87	
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00	
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88	
Total BTEX	<0.300	0.300	01/07/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 79.8 % 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	01/06/2015	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

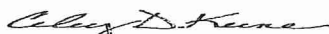
Surrogate: 1-Chlorooctane 65.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.1 % 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: 01/05/2015
Reported: 01/08/2015
Project Name: FEDERAL 26 #3H
Project Number: 70060838701
Project Location: SEC 26 T22S, R31E

Sampling Date: 12/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 9 3' (H500018-35)

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	01/07/2015	ND	1.66	82.8	2.00	8.00		
Toluene*	<0.050	0.050	01/07/2015	ND	1.65	82.4	2.00	7.87		
Ethylbenzene*	<0.050	0.050	01/07/2015	ND	1.56	77.8	2.00	9.00		
Total Xylenes*	<0.150	0.150	01/07/2015	ND	4.66	77.6	6.00	8.88		
Total BTEX	<0.300	0.300	01/07/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 81.4 % 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	<16.0	16.0	01/06/2015	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	01/07/2015	ND	184	91.9	200	2.88	
DRO >C10-C28	<10.0	10.0	01/07/2015	ND	184	92.2	200	6.54	

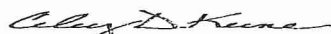
Surrogate: 1-Chlorooctane 63.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 77.9 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

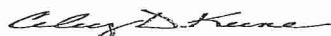
Notes and Definitions

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

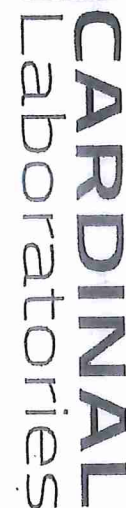
Cardinal Laboratories

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Caley 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

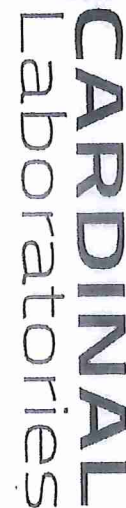
Company Name: Talon/PE		P.O. #:						
Project Manager: D Perkins		Company:						
Address: 408 W. Texas Ave.		Attn:						
City: Artesia	State: NIM	Zip: 88210						
Phone #: 575-746-8768	Fax #: 575-746-8905	Address:						
Project #: 700 608 38201		City:						
Project Name: Federal JC #3H		State:						
Project Location: Sec 26 T24S, R31E		Zip:						
Sample Name: G. Bacia	Phone #:	Fax #:						
FOR LAB USE ONLY								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	PRESERV.	SAMPLING
						SOIL		
						OIL		
						SLUDGE		
						OTHER :		
						ACID/BASE:		
						ICE / COOL		
						OTHER :		
						DATE		
						TIME		
H500018	S-1 O-	✓				12-21-14	11:30	✓
A1	S-1 I-	✓				11:37	✓	✓
A2	E-1 E-	✓				11:36	✓	✓
A3	S-1 E-	✓				11:37	✓	✓
A4	S-1 Z-	✓				11:50	✓	✓
A5	S-2 O-	✓				11:58	✓	✓
A6	S-2 I-	✓				11:59	✓	✓
A7	S-2 Z-	✓				12:00	✓	✓
A8	S-2 Z-	✓				12:05	✓	✓
A9	S-3 O-	✓				12:06	✓	✓
D	S-3 I-	✓				12:08	✓	✓

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Relinquished By:	Date: 11/20/05	Received By: Special Agent
Time: 0445		
Date:		
Time:		

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>[Signature]</i>

REMARKS:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
OP, 56122715	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Adj. 1127864		
Tsk, 016161		
Elem + 2019		



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE		P.O. #:
Project Manager: D. Adkins		Company:
Address: 408 W. Texas Ave.		Attn:
City: Artesia	State: NM	Zip: 88210
Phone #: 575-746-8768	Fax #: 575-746-8905	Address:
Project #: 70066838201	Project Owner: DEY	City:
Project Name: Federal AG #3H		State:
Project Location: Sec 36, T22S, R31E		Zip:
Sample Name: G-130e2a		Phone #:
Fax #:		Fax #:

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		MATRIX							DATE	TIME							
		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SUDGE	OTHER :	ACID/BASE:									ICE / COOL
H500018																			
11	S-3.2"																		
12	S-3.3"																		
13	S-4.0"																		
14	S-4.1"																		
15	S-4.2"																		
16	S-5.0"																		
17	S-5.1"																		
18	S-5.2"																		
19	S-5.3"																		
20	S-6.0"																		

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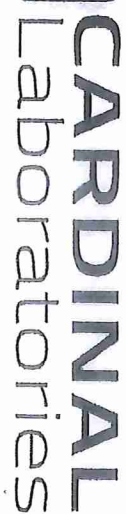
Relinquished By: [Signature] **Date Received By:** [Signature] **Received By:** [Signature]

Time: [Blank] **Date:** [Blank] **Time:** [Blank]

Delivered By: (Circle One) **Sample Condition:** Cool ☒ Intact ☒ Yes ☐ No ☐ No ☐ No ☐ No

Sampler - UPS - Bus - Other: **CHECKED BY:** [Signature] **REMARKS:** OP, 6C172715 P3, 1127869 TAGK 01010101 EL cm L, 2019

ANALYSIS REQUEST



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE		P.O. #:		B/E 10		ANALYSIS REQUEST	
Project Manager: D. McKinnis		Company: Gray					
Address: 408 W. Texas Ave.		Attn:					
City: Artesia		State: NIM		Zip: 88210			
Phone #: 575-746-8768		Fax #: 575-746-8905		Address:			
Project #: 70060838701		Project Owner:		City:			
Project Name: Federal 136 #34		State:		Zip:			
Project Location: Sec 28, T22S, R31E		Phone #:					
Sampler Name: G. Baccus		Fax #:					
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.					
		# CONTAINERS					
H500018	21 S-C 1- 22 S-C 2- 23 S-C 3- 24 S-C 0- 25 S-C 1- 26 S-C 2- 27 S-C 3- 28 S-C 0- 29 S-C 1- 30 S-C 2-	GROUNDWATER		WASTEWATER			
		SOIL		OIL			
		SLUDGE		OTHER:			
		ACID/BASE:		ICE / COOL			
		OTHER:					
		DATE		TIME			
		TPH		BTX		Total Chlorides	

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Requisitioned By: <i>[Signature]</i>	Date: 1/3/2015	Received By: <i>[Signature]</i>	Time: 8:45
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>[Signature]</i>	REMARKS: G.P. 56172715 Pj 1127869 Teg 616101 212017
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: 3 of 4	
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: Talon/LPE

Project Manager: D. Adkins

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

State: NM Zip: 88210

Project #: 70660838201 Project Owner: City

Project Name: Federal 2C #314

Project Location: Sps 26, T225, R31E

Sampler Name: C. Baccus

P.O. #:

Company: City

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

MATRIX

PRESERV

SAMPLING

Lab I.D. Sample I.D.

H500018

S-8 3-

S-9 5-

S-9 1-

S-9 2-

S-9 3-

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

12-29-14:30

12-29-14:33

12-29-14:36

12-29-14:39

12-29-14:41

12-29-14:44

12-29-14:47

12-29-14:50

12-29-14:53

12-29-14:56

12-29-15:00

12-29-15:03

12-29-15:06

12-29-15:09

12-29-15:12

12-29-15:15

12-29-15:18

12-29-15:21

12-29-15:24

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12-29-15:57

12-29-16:00

12-29-16:03

12-29-16:06

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