



January 11, 2016

Ms. Heather Patterson
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

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

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

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

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

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

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

Subject: **Soil Assessment and Remediation Work Plan**
Lime Rock Resources II-A, L.P.
Falcon 3G Federal #7
30-015-29126 (2RP-3473)

Dear Ms. Patterson,

Lime Rock Resources (Lime Rock) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Background Information

The Falcon 3G Federal #7 is located approximately ten (10) miles east of Artesia, New Mexico. The legal location for this release is Unit Letter G, Section 3, Township 18 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.779365 North and -104.265335 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Reeves-Gypsum land complex with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of older alluvial deposits of upland plains and piedmont areas. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 140-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See [Appendix II](#) for the referenced groundwater data.

The ranking for this site is **0** Based on the following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

A heater treater malfunctioned which resulted in a release of approximately 20bbls of produced water and 30bbls of oil. The release flowed to the south from the heater treater, across County Road 227 and into the pasture on the opposite side of the road. As shown on the site plan in [Appendix I](#). Spill response personnel constructed earthen berms to contain further movement of contaminated fluid. A vacuum truck was immediately dispatched to begin recovering standing fluid. Approximately 24bbls of fluid was initially recovered. Fluid recover continues as snow melt dictates.

Talon mobilized personnel to pressure wash and recover the oil staining from the road, as well as perform a site assessment and soil sampling within the impacted area. Laboratory results from the soil sampling event are summarized in the table below.

Laboratory Results

See [Appendix IV](#) 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	168	ND	1780	21000
S-1	1	783	--	21500	24800
S-1	2	ND	--	14.5	ND
S-1	3	ND	--	ND	ND
S-2	0	379	128	3130	6450
S-2	0.5	ND	--	ND	ND
S-2	1	ND	--	ND	ND
S-3	0	221	--	2670	40700
S-3	1	4.84	--	78.6	298
S-3	2	ND	--	ND	ND
S-3	3	ND	--	ND	ND
S-4	0	91.3	96	940	9270
S-4	0.5	ND	--	ND	14.5
S-4	1	ND	--	ND	ND
S-5	0	ND	--	ND	ND
S-6	0	ND	ND	ND	ND
S-7	0	ND	ND	ND	ND
S-8	0	0.352	ND	ND	ND
S-9	0	ND	ND	ND	ND

(--) Analyte Not Tested

(ND) Analyte Not Detected

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

Proposed Remedial Actions


- The impacted area in the vicinity of sample location S-1 will be excavated to a depth of 2-foot bgs.
- The impacted area in the vicinity of sample location S-2 will be excavated to a depth of 0.5-feet bgs.
- The impacted area in the vicinity of sample location S-3 will be excavated to a depth of 1-foot bgs.
- The impacted area in the vicinity of sample location S-4 will be excavated to a depth of 0.5-feet bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated area will be backfilled with caliche, contoured to match the surrounding terrain, and seeded with BLM #3 seed mixture.

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

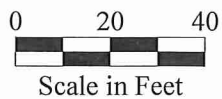
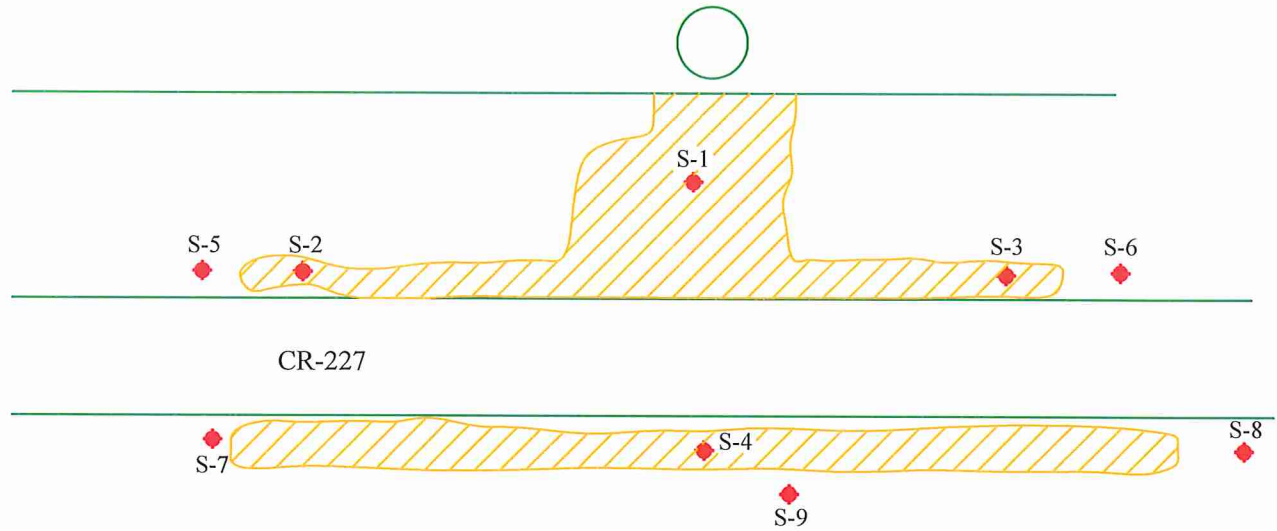
Respectfully submitted,

TALON/LPE


Sheldon L. Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



Legend
 ◆ - Sample Location



Date: 01/12/2016

Scale: 1" = 40'

Drawn By: TJS

Falcon 3G Fed #7
 Lime Rock Resources
 Eddy County, New Mexico
 Figure 1 - Site Plan

GROUNDWATER DATA



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
RA 01493			ED	2	1	27	17S	27E		568468	3630529*	3625	876		
RA 04561			ED	4	2	26	17S	27E		570871	3630142*	3765	250		
RA 03661			ED	3	2	3	32	17S	27E	565186	3628038*	3881	330	140	190

Average Depth to Water: **140 feet**

Minimum Depth: **140 feet**

Maximum Depth: **140 feet**

Record Count: 3

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 568906

Northing (Y): 3626930

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.

INITIAL C-141

NM OIL CONSERVATION
ARTESIA DISTRICT

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

JAN 04 2016

Form C-141
Revised October 10, 2003

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

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

RECEIVED

Release Notification and Corrective Action

NAB1600754607

22755B OPERATOR

Initial Report Final Report

Name of Company : LIME ROCK RESOURCES II-A, LP	Contact : Mike Barrett
Address : 1111 Bagby Street Suite 4600, Houston, TX 77002	Telephone No. : 575-623-8424
Facility Name : FALCON 3 FEDERAL #7	Facility Type: BATTERY

Surface Owner : Federal	Mineral Owner:	Lease No. API # 30-015-29126 LC 065478-B
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	3	18S	27E	1450'	North	2310'	East	Eddy

Latitude 32.779365 N Longitude -104.265335 W

NATURE OF RELEASE

Type of Release : Mixed Fluids	Volume of Release : 30 bbls Oil 20 bbls PW	Volume Recovered: 24 bbls Mixed Fluids
Source of Release : Heater Treater	Date and Hour of Occurrence: 12/28/15	Date and Hour of Discovery: 12/28/15
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **The heater treater malfunctioned causing a release of 20 barrels of produced water and 30 barrels of oil. The heater treater was taken out of service and repaired. A vac truck was called to location and recovered 24 barrels of fluid. Talon mobilized personnel to the location for emergency spill response to contain the release due to adverse weather conditions. Recovery of fluids is ongoing and the volume may increase as the weather improves and snow melts.**

Describe Area Affected and Cleanup Action Taken.* **The release ran across location, road and pooled in the pasture. The site assessment is in progress.**

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: <i>Michael Barrett</i>	OIL CONSERVATION DIVISION	
Printed Name: Michael Barrett	Approved by District Supervisor: <i>[Signature]</i>	
Title: Production Supervisor	Approval Date: 1/7/16	Expiration Date: NIA
E-mail Address: mbarrett@limerockresources.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/31/2015 Phone: 575-623-8424		

* Attach Additional Sheets If Necessary

22P-3473

LABORATORY RESULTS

January 08, 2016

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FALCON 3G FED #7

Enclosed are the results of analyses for samples received by the laboratory on 01/07/16 10:14.

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

Received:	01/07/2016	Sampling Date:	01/06/2016
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	FALCON 3G FED #7	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: S-1 0' (H600033-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.54	1.00	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	44.7	1.00	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	33.6	1.00	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	82.1	3.00	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	168	6.00	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/07/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1780	200	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	21000	200	01/07/2016	ND	190	94.8	200	0.534		

Surrogate: 1-Chlorooctane 145 % 35-147

Surrogate: 1-Chlorooctadecane 511 % 28-171

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/07/2016	Sampling Date:	01/06/2016
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	FALCON 3G FED #7	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: S-1 1' (H600033-02)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	124	10.0	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	315	10.0	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	103	10.0	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	240	30.0	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	783	60.0	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.6 % 73.6-140

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	21500	200	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	24800	200	01/07/2016	ND	190	94.8	200	0.534		

Surrogate: 1-Chlorooctane 345 % 35-147

Surrogate: 1-Chlorooctadecane 472 % 28-171

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

Received:	01/07/2016	Sampling Date:	01/06/2016
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	FALCON 3G FED #7	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: S-1 2' (H600033-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	<0.300	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.7 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14.5	10.0	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	

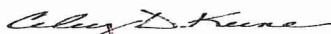
Surrogate: 1-Chlorooctane 64.3 % 35-147

Surrogate: 1-Chlorooctadecane 65.6 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/07/2016	Sampling Date:	01/06/2016
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	FALCON 3G FED #7	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: S-1 3' (H600033-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	<0.300	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.9 % 73.6-140

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	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	

Surrogate: 1-Chlorooctane 74.7 % 35-147
Surrogate: 1-Chlorooctadecane 70.2 % 28-171

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

Received:	01/07/2016	Sampling Date:	01/06/2016
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	FALCON 3G FED #7	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: S-2 0' (H600033-06)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	37.4	2.00	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	135	2.00	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	63.7	2.00	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	143	6.00	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	379	12.0	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.1 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/07/2016	ND	416	104	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	3130	200	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	6450	200	01/07/2016	ND	190	94.8	200	0.534	

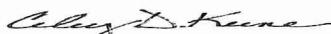
Surrogate: 1-Chlorooctane 126 % 35-147

Surrogate: 1-Chlorooctadecane 129 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/07/2016	Sampling Date:	01/06/2016
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	FALCON 3G FED #7	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: S-2 0.5' (H600033-07)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	0.114	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	<0.300	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.9 % 73.6-140

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	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	

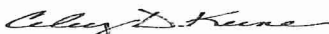
Surrogate: 1-Chlorooctane 70.3 % 35-147

Surrogate: 1-Chlorooctadecane 64.5 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-2 1' REFUSAL (H600033-08)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	<0.300	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.1 % 73.6-140

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	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	

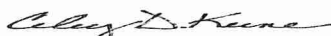
Surrogate: 1-Chlorooctane 72.9 % 35-147

Surrogate: 1-Chlorooctadecane 69.2 % 28-171

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Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-3 0' (H600033-09)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	3.84	2.00	01/07/2016	ND	2.10	105	2.00	2.36		
Toluene*	42.0	2.00	01/07/2016	ND	2.14	107	2.00	2.67		
Ethylbenzene*	47.2	2.00	01/07/2016	ND	1.97	98.5	2.00	1.37		
Total Xylenes*	128	6.00	01/07/2016	ND	6.17	103	6.00	0.299		
Total BTEX	221	12.0	01/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2016	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	2670	200	01/07/2016	ND	198	99.1	200	0.913			
DRO >C10-C28	40700	200	01/07/2016	ND	190	94.8	200	0.534			


Surrogate: 1-Chlorooctane 170 % 35-147

Surrogate: 1-Chlorooctadecane 962 % 28-171

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Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-3 1' (H600033-10)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.226	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	1.40	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	0.935	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	2.28	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	4.84	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 96.7 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	78.6	10.0	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	298	10.0	01/07/2016	ND	190	94.8	200	0.534	

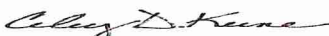
Surrogate: 1-Chlorooctane 81.5 % 35-147

Surrogate: 1-Chlorooctadecane 78.2 % 28-171

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

Received:	01/07/2016	Sampling Date:	01/06/2016
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	FALCON 3G FED #7	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: S-3 2' (H600033-11)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	<0.300	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.3 % 73.6-140

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	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	


Surrogate: 1-Chlorooctane 71.6 % 35-147

Surrogate: 1-Chlorooctadecane 66.3 % 28-171

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 Fax To: (575) 745-8905

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-3 3' (H600033-12)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	<0.300	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 73.6-140

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	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	

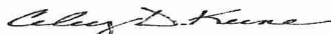
Surrogate: 1-Chlorooctane 69.3 % 35-147

Surrogate: 1-Chlorooctadecane 64.1 % 28-171

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Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 0' (H600033-14)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.934	0.500	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	17.0	0.500	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	20.3	0.500	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	53.1	1.50	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	91.3	3.00	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/07/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	940	200	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	9270	200	01/07/2016	ND	190	94.8	200	0.534		

Surrogate: 1-Chlorooctane 119 % 35-147

Surrogate: 1-Chlorooctadecane 213 % 28-171

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Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 0.5' (H600033-15)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36		
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299		
Total BTEX	<0.300	0.300	01/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

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	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	14.5	10.0	01/07/2016	ND	190	94.8	200	0.534		

Surrogate: 1-Chlorooctane 66.4 % 35-147

Surrogate: 1-Chlorooctadecane 65.3 % 28-171

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 Fax To: (575) 745-8905

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-4 1' REFUSAL (H600033-16)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	<0.300	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 73.6-140

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	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	

Surrogate: 1-Chlorooctane 62.9 % 35-147

Surrogate: 1-Chlorooctadecane 58.9 % 28-171

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-5 0' (H600033-17)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36		
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299		
Total BTEX	<0.300	0.300	01/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2016	ND	416	104	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	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534		

Surrogate: 1-Chlorooctane 72.6 % 35-147

Surrogate: 1-Chlorooctadecane 68.5 % 28-171

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-6 0' (H600033-18)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36		
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299		
Total BTEX	<0.300	0.300	01/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.8 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2016	ND	416	104	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	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534		

Surrogate: 1-Chlorooctane 71.7 % 35-147

Surrogate: 1-Chlorooctadecane 68.3 % 28-171

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-7 0' (H600033-19)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36		
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299		
Total BTEX	<0.300	0.300	01/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2016	ND	416	104	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	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534		

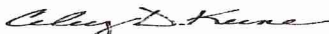
Surrogate: 1-Chlorooctane 59.2 % 35-147

Surrogate: 1-Chlorooctadecane 60.3 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-8 0' (H600033-20)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36	
Toluene*	0.100	0.050	01/07/2016	ND	2.14	107	2.00	2.67	
Ethylbenzene*	0.073	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37	
Total Xylenes*	0.179	0.150	01/07/2016	ND	6.17	103	6.00	0.299	
Total BTEX	0.352	0.300	01/07/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/07/2016	ND	416	104	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	01/07/2016	ND	198	99.1	200	0.913	
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534	

Surrogate: 1-Chlorooctane 66.3 % 35-147

Surrogate: 1-Chlorooctadecane 66.2 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/07/2016
 Reported: 01/08/2016
 Project Name: FALCON 3G FED #7
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/06/2016
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Celey D. Keene

Sample ID: S-9 0' (H600033-21)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2016	ND	2.10	105	2.00	2.36		
Toluene*	<0.050	0.050	01/07/2016	ND	2.14	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	01/07/2016	ND	1.97	98.5	2.00	1.37		
Total Xylenes*	<0.150	0.150	01/07/2016	ND	6.17	103	6.00	0.299		
Total BTEX	<0.300	0.300	01/07/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2016	ND	416	104	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	01/07/2016	ND	198	99.1	200	0.913		
DRO >C10-C28	<10.0	10.0	01/07/2016	ND	190	94.8	200	0.534		

Surrogate: 1-Chlorooctane 67.7 % 35-147

Surrogate: 1-Chlorooctadecane 69.4 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

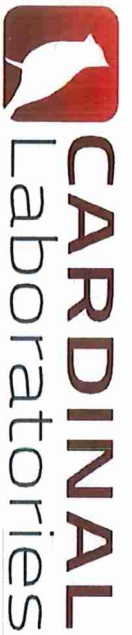
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

PG-1093

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE
 Project Manager: S. Hitchcock
 Address: 408 W. Texas Ave.
 City: Artesia State: NM zip: 88210
 Phone #: 575-746-8768 Fax #: 575-746-8905
 Project #: Project Owner: Live Stock
 Project Name: Falcon 36 Fed #7
 Project Location:
 Sampler Name: S. Hitchcock
 P.O. #: Company: Talon/LPE
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HK00033														
01	5-1 0'	G	1	/	/	/	/	/	11/15	3:15	/	/	/	
02	5-1 1'	G	1	/	/	/	/	/	11/15	3:58	/	/	/	
03	5-1 2'	G	1	/	/	/	/	/	11/15	4:06	/	/	/	
04	5-1 3'	G	1	/	/	/	/	/	11/15	4:02	/	/	/	
05	5-1 4'	G	1	/	/	/	/	/	11/15	4:04	/	/	/	
06	5-2 0'	G	1	/	/	/	/	/	11/15	4:20	/	/	/	
07	5-2 0.5'	G	1	/	/	/	/	/	11/15	4:22	/	/	/	
08	5-2 1' PFC 45M	G	1	/	/	/	/	/	11/15	4:24	/	/	/	
09	5-3 0'	G	1	/	/	/	/	/	11/15	4:30	/	/	/	
10	5-3 1'	G	1	/	/	/	/	/	11/15	4:32	/	/	/	

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Relinquished By: Stacy Peters
 Date: 11/16 Time: 10:14
 Received By: Greg Moore
 Date: _____ Time: _____

Delivered By: (Circle One) UPS
 Sample Condition: Cool Intact
 Checked By: car
 Phone Result: Yes No No Add'l Phone #: _____
 Fax Result: Yes No No Add'l Fax #: _____

REMARKS: RUSH
Step Chloride @ 250 mg/kg
 Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #57



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE
 Project Manager:
 Address: 408 W. Texas Ave.
 City: Artesia State: NM zip: 88210
 Phone #: 575-746-8768 Fax #: 575-746-8905
 Project #:
 Project Name:
 Project Location:
 Sampler Name:

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
11	5-32'	G	1							11/6/15	4:33			
12	5-33'	G	1								4:35			
13	5-34'	G	1								4:37			
14	5-40'	G	1								5:00			
15	5-40.5'	G	1								5:02			
16	5-41' Refused	G	1								5:04			
17	5-50'	G	1								5:20			
18	5-60'	G	1								5:25			
19	5-70'	G	1								5:30			
20	5-80'	G	1								5:35			

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Relinquished By: Shelby Perez Date: 11/7/15
 Time: 10:14
 Received By: Colby
 Date: _____ Time: _____

Delivered By: (Circle One) UPS - UPS - Bus - Other: 10:20C
 Sample Condition: Cool Intact
 Yes No Yes No
 CHECKED BY: WJL

REMARKS: Stop chloride if < 250 mg/kg
RUSH
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:

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

Pg 2 of 2



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

PG 3 of 3

Company Name: Talon/LPE Project Manager: S. Hittaker Address: 408 W. Texas Ave. City: Artesia State: NM zip: 88210 Phone #: 575-746-8768 Fax #: 575-746-8905 Project #: Project Owner: Live Rock Project Name: Falcon 36 Fed #7 Project Location: Sampler Name: S. Hittaker		BILL TO P.O. #: Company: Talon/LPE Attn: Address: City: State: Zip: Phone #: Fax #:		
Lab I.D. Sample I.D. 21 5-9 0'	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING	DATE 11/6/16 TIME 11:14 10:20 10:20	TPH BTEX chloride
Relinquished By: <i>Sheldons Mitchell</i> Relinquished By: <i>Sheldons Mitchell</i> Date: 10/14 Time:				
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS - Bus - Other:				
Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes No Yes No				
CHECKED BY: <i>CSK</i>				
REMARKS: <i>RUSH</i>				

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