

talonlpe.com • 866.742.0742



Work Plan
Lime Rock Resources II-A, L.P.:

Eagle 34 K Fed #21 Battery
|30-015-29112|2RP-4221|

June 2, 2017

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

Prepared For:

Lime Rock Resources II-A, L.P.

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

Subject: **Soil Assessment and Remediation Work Plan**
Lime Rock Resources II-A, L.P.
Eagle 34 K Fed #21 Battery
|30-015-28451|2RP-4221|

Dear Mr. Bratcher,

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

Site Information

The Eagle 34 K Fed #21 Battery is located approximately twelve (12) miles east of Artesia, New Mexico. The legal location for this release is Unit Letter K, Section 34, Township 17 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.7891502 North and -104.2692719 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 and Site Ranking

The New Mexico State Engineer web site indicates that groundwater in the project vicinity is 140-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

Therefore the ranking for this site is a **0** based on the following:

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

Incident Description and Initial Remedial Actions

A system failure on the automated alarm system resulted in a tank overflow. Approximately 188bbbls of mixed fluids were released. The fluid breached the earthen berms of the tank battery and flowed downhill to the north. The fluid initially pooled on the Eagle 34 K Fed #86 location then it continued downhill into the pasture. The fluid continued to flow in the pasture for approximately 500-feet.

Personnel were mobilized to recover standing fluid (approximately 100bbbls of mixed fluids were recovered) and scrape up the saturated soil. The impacted area within the tank battery and the area just north of the battery where numerous above ground flowlines create an obstacle were hand excavated to the deepest extent feasible (approximately 1-foot BGS.)

Talon mobilized personnel to perform a site assessment and collect soil samples within the impacted area. The results of the soil sampling activities 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	0.5	0.331	256	<10.0	<10.0
S-1	1	<0.300	544	<10.0	<10.0
S-1	2	<0.300	112	<10.0	<10.0
S-2	0.5	65.6	9600	264	1200
S-2	1	<0.300	3520	<10.0	<10.0
S-2	2	<0.300	3200	<10.0	<10.0
S-2	3	--	80	--	--
S-3	0.5	1.29	416	19.2	175
S-3	1	<0.300	1070	<10.0	<10.0
S-3	2	<0.300	368	<10.0	<10.0
S-3	3	--	160	--	--
S-3	4	--	112	--	--
S-4	0	129	12800	915	7400
S-4	1	<0.300	2000	<10.0	<10.0
S-4	2	<0.300	1520	<10.0	<10.0
S-4	3	--	1090	--	--
S-4	4	--	192	--	--
S-4	5	--	48	--	--
S-5	0	587	3040	4760	19200

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-5	1	0.825	2200	<10.0	108
S-5	2	0.340	272	57.9	6260
S-5	2.5	--	96	<10.0	<10.0
S-6	1	<0.300	21600	<10.0	270
S-7	1	<0.300	2800	<50.0	7490
S-8	1	<0.300	1040	20.7	1950
S-9	1	<0.300	1490	<10.0	<10.0
S-10	1	<0.300	144	<10.0	108

(--) 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 the recommended guideline for Total Chlorides is 1,000 mg/kg

Proposed Remedial Actions

- The impacted area in the vicinity of sample location S-2 will be excavated to a depth of 3-feet BGS.
- The impacted area in the vicinity of sample locations S-3 and S-5 will be excavated to a depth of 1.5-feet BGS.
- The impacted area in the vicinity of sample location S-4 will be excavated to a depth of 3.5-feet BGS.
- The impacted area in the battery has been excavated to the greatest extent practical without threatening the structural integrity of the tanks. This area will be treated with a bio-remediation agent, backfilled with gravel and fully remediated upon closure of the facility.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated areas on the Eagle K Fed #86 well pad will be backfilled with caliche and contoured to match the surrounding location.
- The excavated areas in the pasture will be backfilled with top soil, contoured to match the surrounding terrain and seeded with BLM #1 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

Attachments

- Appendix I Site Plan
- Appendix II Groundwater Data
- Appendix III Initial C-141
- Appendix IV Laboratory Results

APPENDIX I

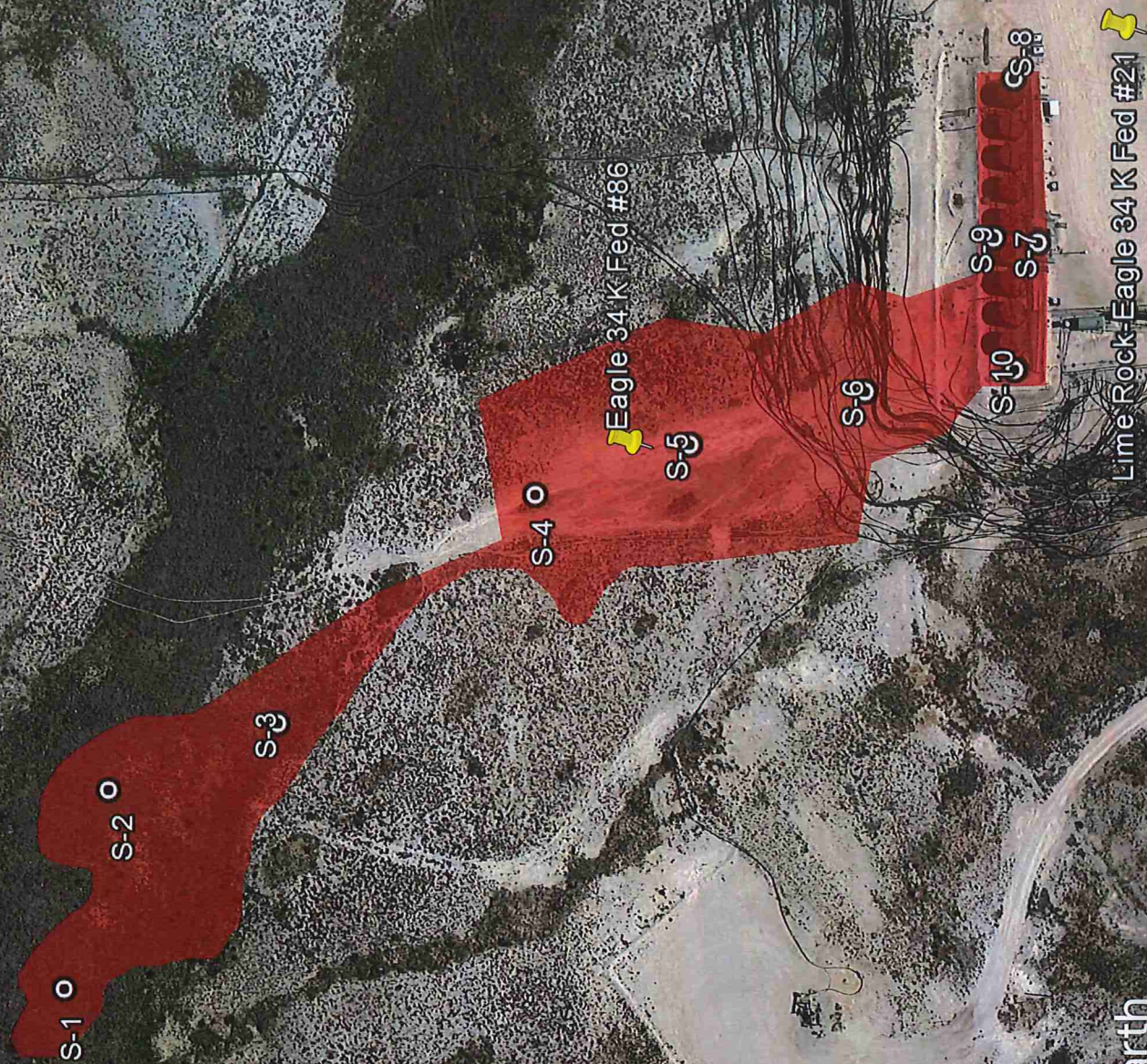
SITE PLAN

Eagle 34 K Fed #21 Battery

Lime Rock Resources II-A, LP

Legend

- Impacted Area
- Sample Location



Google Earth

© 2016 Google

APPENDIX II

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-		Q Q Q			Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
	Code	basin	64	16	4									
RA 01493		ED	2	1	27	17S	27E	568468	3630529*		2417	876		
RA 04561		ED	4	2	26	17S	27E	570871	3630142*		3132	250		
RA 03661		ED	3	2	3	32	17S	27E	565186	3628038*		3299	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): 568485

Northing (Y): 3628112

Radius: 4000

*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.

APPENDIX III

INITIAL C-141

NM OIL CONSERVATION
ARTESIA DISTRICT

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

MAY 23 2017

Form C-141
Revised August 8, 2011

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

Submit & Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

DAB1714540286 **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company: Lime Rock Resources II-A, L.P. <u>277558</u>	Contact: Mike Barrett
Address: 1111 Bagby Street Suite 4600, Houston, TX 77002	Telephone No. 575-365-9724
Facility Name: Eagle 34 "K" Federal #021 Battery	Facility Type: Battery

Surface Owner: BLM	Mineral Owner: BLM	API No. 30-015-29112
--------------------	--------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	34	17S	27E	2110	South	1750	West	Eddy

Latitude 32.7891502 Longitude -104.2692719

NATURE OF RELEASE

Type of Release: Mixed Fluids	Volume of Release: 188bbls (120 Oil & 68 PW)	Volume Recovered: 100bbls (72 Oil & 28 PW)
Source of Release: Tank Battery Overflow	Date and Hour of Occurrence: 5/11/2017 Time: Unknown	Date and Hour of Discovery: 5/11/2017 Time: 7:00 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	IF YES, To Whom? OCD: Mike Bratcher & Crystal Weaver BLM: Shelly Tucker	
By Whom? Sheldon Hitchcock-Talon/LPE	Date and Hour: 5/11/2017 1:09 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	IF YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A failure with the automated alarm system resulted in a tank overflow inside of the bermed battery. The system was repaired and put back into service.

Describe Area Affected and Cleanup Action Taken.*

The berms of the tank battery failed which resulted in fluid flowing downhill to the north. The fluid initially pooled on the Eagle 34 K Fed #86 location then it continued downhill into the pasture. The fluid continued in the pasture for approximately 500-feet.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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>Mike Barrett</u>	OIL CONSERVATION DIVISION	
Printed Name: Mike Barrett	Approved by Environmental Specialist: <u>Crystal Weaver</u>	
Title: Production Superintendent	Approval Date: <u>5/23/17</u>	Expiration Date: <u>N/A</u>
E-mail Address: mbarrett@limerockresources.com	Conditions of Approval: <u>See attached</u>	Attached ☒
Date: 5/12/2017	Phone: 575-365-9724	

* Attach Additional Sheets If Necessary

New forms can be found in the
New Mexico State Website in forms:
[http://www.emnrd.state.nm.us/
OCD/forms.html](http://www.emnrd.state.nm.us/OCD/forms.html)

286-4221

APPENDIX IV

LABORATORY RESULTS

May 24, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EAGLE 34 K FED #21 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/12/17 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

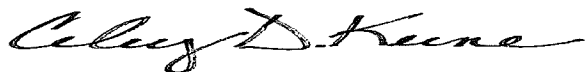
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:	05/12/2017	Sampling Date:	05/12/2017
Reported:	05/24/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-1 0.5' (H701271-01)

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	05/16/2017	ND	2.17	109	2.00	0.961	
Toluene*	0.054	0.050	05/16/2017	ND	2.12	106	2.00	0.566	
Ethylbenzene*	<0.050	0.050	05/16/2017	ND	2.20	110	2.00	1.44	
Total Xylenes*	0.217	0.150	05/16/2017	ND	6.25	104	6.00	2.30	
Total BTX	0.331	0.300	05/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.8 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

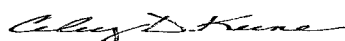
Surrogate: 1-Chlorooctane 87.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 97.4 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	05/12/2017	Sampling Date:	05/12/2017
Reported:	05/24/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-1 1' (H701271-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2017	ND	1.89	94.4	2.00	0.776	QR-02
Toluene*	<0.050	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

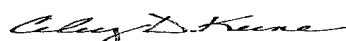
Surrogate: 1-Chlorooctane 92.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.8 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-1 2' (H701271-03)

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	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	<0.050	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.3 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

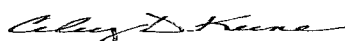
Surrogate: 1-Chlorooctane 86.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 91.5 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-2 0.5' (H701271-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.648	0.100	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	13.4	0.100	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	17.2	0.100	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	34.4	0.300	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	65.6	0.600	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 129 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	05/16/2017	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	264	10.0	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	1200	10.0	05/15/2017	ND	218	109	200	3.64	

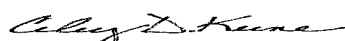
Surrogate: 1-Chlorooctane 112 % 28.3-164

Surrogate: 1-Chlorooctadecane 109 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
 Reported: 05/24/2017
 Project Name: EAGLE 34 K FED #21 BATTERY
 Project Number: NOT GIVEN
 Project Location: K-34-12S-27E

 Sampling Date: 05/12/2017
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: S-2 1' (H701271-05)

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	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	0.061	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

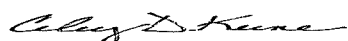
Surrogate: 1-Chlorooctane 98.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 106 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	05/12/2017	Sampling Date:	05/12/2017
Reported:	05/24/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-2 2' (H701271-06)

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	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	<0.050	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTEX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

Surrogate: 1-Chlorooctane 99.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 107 % 34.7-157

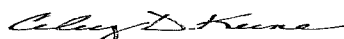
Sample ID: S-2 3' (H701271-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/16/2017	ND	448	112	400	3.51	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-3 0.5' (H701271-08)

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	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	0.190	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	0.309	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	0.770	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	1.29	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/16/2017	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	19.2	10.0	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	175	10.0	05/15/2017	ND	218	109	200	3.64	

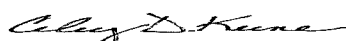
Surrogate: 1-Chlorooctane 82.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.7 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-3 1' (H701271-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	<0.050	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTEX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

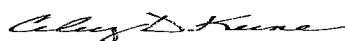
Surrogate: 1-Chlorooctane 66.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 70.4 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
 Reported: 05/24/2017
 Project Name: EAGLE 34 K FED #21 BATTERY
 Project Number: NOT GIVEN
 Project Location: K-34-12S-27E

 Sampling Date: 05/12/2017
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: S-3 2' (H701271-10)

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	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	<0.050	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

Surrogate: 1-Chlorooctane 80.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.1 % 34.7-157

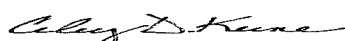
Sample ID: S-3 3' (H701271-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/16/2017	ND	448	112	400	3.51	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	05/12/2017	Sampling Date:	05/12/2017
Reported:	05/24/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-3 4' (H701271-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/16/2017	ND	448	112	400	3.51	

Sample ID: S-4 0' (H701271-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.66	0.500	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	34.4	0.500	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	30.5	0.500	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	59.3	1.50	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTEX	129	3.00	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	05/16/2017	ND	448	112	400	3.51	

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	915	50.0	05/15/2017	ND	206	103	200	2.89		
DRO >C10-C28	7400	50.0	05/15/2017	ND	218	109	200	3.64		

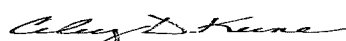
Surrogate: 1-Chlorooctane 152 % 28.3-164

Surrogate: 1-Chlorooctadecane 360 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-4 1' (H701271-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	<0.050	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTEX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

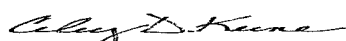
Surrogate: 1-Chlorooctane 80.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.8 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-4 2' (H701271-15)

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	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	<0.050	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	<0.050	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	<0.300	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	05/16/2017	ND	448	112	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	<10.0	10.0	05/15/2017	ND	218	109	200	3.64	

Surrogate: 1-Chlorooctane 72.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 74.1 % 34.7-157

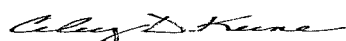
Sample ID: S-4 3' (H701271-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	05/16/2017	ND	448	112	400	3.51	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	05/12/2017	Sampling Date:	05/12/2017
Reported:	05/24/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-4 4' (H701271-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/16/2017	ND	464	116	400	3.51	

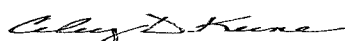
Sample ID: S-4 5' (H701271-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/16/2017	ND	464	116	400	3.51	

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-5 0' (H701271-19)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	30.4	2.00	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	175	2.00	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	134	2.00	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	247	6.00	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	587	12.0	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	05/16/2017	ND	464	116	400	3.51	

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	4760	50.0	05/15/2017	ND	206	103	200	2.89		
DRO >C10-C28	19200	50.0	05/15/2017	ND	218	109	200	3.64		

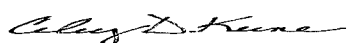
Surrogate: 1-Chlorooctane 189 % 28.3-164

Surrogate: 1-Chlorooctadecane 468 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-5 1' (H701271-20)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.088	0.050	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	0.251	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	0.145	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	0.342	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTX	0.825	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	05/16/2017	ND	464	116	400	3.51	

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	05/15/2017	ND	206	103	200	2.89	
DRO >C10-C28	108	10.0	05/15/2017	ND	218	109	200	3.64	

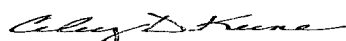
Surrogate: 1-Chlorooctane 85.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.5 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/12/2017
Reported: 05/24/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: NOT GIVEN
Project Location: K-34-12S-27E

Sampling Date: 05/12/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S-5 2' (H701271-21)

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	05/18/2017	ND	1.89	94.4	2.00	0.776	
Toluene*	0.097	0.050	05/18/2017	ND	1.87	93.6	2.00	1.01	
Ethylbenzene*	0.069	0.050	05/18/2017	ND	1.95	97.6	2.00	1.54	
Total Xylenes*	0.174	0.150	05/18/2017	ND	5.52	92.0	6.00	1.20	
Total BTEX	0.340	0.300	05/18/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/16/2017	ND	464	116	400	3.51	

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	57.9	50.0	05/15/2017	ND	206	103	200	2.89		
DRO >C10-C28	6260	50.0	05/15/2017	ND	218	109	200	3.64		

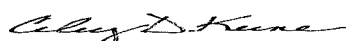
Surrogate: 1-Chlorooctane 80.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 216 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	05/12/2017	Sampling Date:	05/12/2017
Reported:	05/24/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

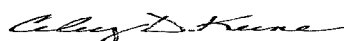
Sample ID: S-5 2.5' (H701271-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/16/2017	ND	464	116	400	3.51	
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	05/23/2017	ND	179	89.6	200	14.4	
DRO >C10-C28	<10.0	10.0	05/23/2017	ND	179	89.6	200	12.0	
Surrogate: 1-Chlorooctane	101 %	28.3-164							
Surrogate: 1-Chlorooctadecane	99.6 %	34.7-157							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

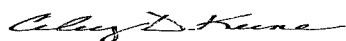
Notes and Definitions

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.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

Company Name: Talon/LPE		P.O. #:		BILL TO												ANALYSIS REQUEST																									
Project Manager: S. Hitchcock		Company: Talon/LPE																																							
Address: 408 W. Texas Ave.		Attn:																																							
City: Artesia		Address:																																							
Phone #: 575-746-8768		Fax #:																																							
Project #:		City:																																							
Project Name: East 34 K #21 Battery		State:																																							
Project Location: K-34-175-27E		Phone #:																																							
Sampler Name: S. Hitchcock		Fax #:																																							
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
H101871		11 5-3 3'		G 1		1		1		1		1		1		1		1		1		1		1		5/18/17		12		TPH											
12 5-3 4'		G 1		1		1		1		1		1		1		1		1		1		1		1						BTEX											
13 5-4 0'		G 1		1		1		1		1		1		1		1		1		1		1		1						Chlorides											
14 5-4 1'		G 1		1		1		1		1		1		1		1		1		1		1		1																	
15 5-4 2'		G 1		1		1		1		1		1		1		1		1		1		1		1																	
16 5-4 3'		G 1		1		1		1		1		1		1		1		1		1		1		1																	
17 5-4 4'		G 1		1		1		1		1		1		1		1		1		1		1		1																	
18 5-4 5'		G 1		1		1		1		1		1		1		1		1		1		1		1																	
19 5-5 0'		G 1		1		1		1		1		1		1		1		1		1		1		1																	
20 5-5 1'		G 1		1		1		1		1		1		1		1		1		1		1		1																	
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By: <i>Shirley Price</i>		Date: 5/18/17		Time: 3pm		Received By: <i>Samanta Delacruz</i>		Date: 5-12-17		Time: 4:40		Sample Condition: Cool ☒ Intact ☒		CHECKED BY: (Initials) <i>SD</i>		Phone Result: ☐ Yes ☐ No		Fax Result: ☐ Yes ☐ No		Add'l Phone #: <i>505-475</i>		Add'l Fax #:		REMARKS:															
Delivered By: (Circle One) <i>UPS</i>		Sampler - UPS - Bus - Other:																																							

PG 20F2



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

May 30, 2017

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EAGLE 34 K FED #21 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/24/17 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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:	05/24/2017	Sampling Date:	05/23/2017
Reported:	05/30/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701307.009.01	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-6 1' (H701390-01)

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	05/25/2017	ND	1.90	94.8	2.00	0.773	
Toluene*	<0.050	0.050	05/25/2017	ND	1.87	93.7	2.00	0.523	
Ethylbenzene*	<0.050	0.050	05/25/2017	ND	1.99	99.7	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/25/2017	ND	5.50	91.6	6.00	0.956	
Total BTX	<0.300	0.300	05/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	05/25/2017	ND	432	108	400	3.64	

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	05/25/2017	ND	199	99.6	200	1.40	
DRO >C10-C28	270	10.0	05/25/2017	ND	198	99.1	200	0.486	

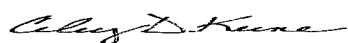
Surrogate: 1-Chlorooctane 89.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.7 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/24/2017
Reported: 05/30/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: 701307.009.01
Project Location: K-34-12S-27E

Sampling Date: 05/23/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-7 1' (H701390-02)

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	05/25/2017	ND	1.90	94.8	2.00	0.773	
Toluene*	<0.050	0.050	05/25/2017	ND	1.87	93.7	2.00	0.523	
Ethylbenzene*	<0.050	0.050	05/25/2017	ND	1.99	99.7	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/25/2017	ND	5.50	91.6	6.00	0.956	
Total BTEX	<0.300	0.300	05/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	05/25/2017	ND	432	108	400	3.64	

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	<50.0	50.0	05/25/2017	ND	199	99.6	200	1.40		
DRO >C10-C28	7490	50.0	05/25/2017	ND	198	99.1	200	0.486		

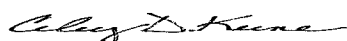
Surrogate: 1-Chlorooctane 103 % 28.3-164

Surrogate: 1-Chlorooctadecane 200 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	05/24/2017	Sampling Date:	05/23/2017
Reported:	05/30/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701307.009.01	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-8 1' (H701390-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2017	ND	1.90	94.8	2.00	0.773	
Toluene*	<0.050	0.050	05/25/2017	ND	1.87	93.7	2.00	0.523	
Ethylbenzene*	<0.050	0.050	05/25/2017	ND	1.99	99.7	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/25/2017	ND	5.50	91.6	6.00	0.956	
Total BTEX	<0.300	0.300	05/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	05/25/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	20.7	10.0	05/25/2017	ND	199	99.6	200	1.40	
DRO >C10-C28	1950	10.0	05/25/2017	ND	198	99.1	200	0.486	

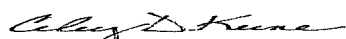
Surrogate: 1-Chlorooctane 113 % 28.3-164

Surrogate: 1-Chlorooctadecane 109 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	05/24/2017	Sampling Date:	05/23/2017
Reported:	05/30/2017	Sampling Type:	Soil
Project Name:	EAGLE 34 K FED #21 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	701307.009.01	Sample Received By:	Tamara Oldaker
Project Location:	K-34-12S-27E		

Sample ID: S-9 1' (H701390-04)

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	05/25/2017	ND	1.90	94.8	2.00	0.773	
Toluene*	<0.050	0.050	05/25/2017	ND	1.87	93.7	2.00	0.523	
Ethylbenzene*	<0.050	0.050	05/25/2017	ND	1.99	99.7	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/25/2017	ND	5.50	91.6	6.00	0.956	
Total BTX	<0.300	0.300	05/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	05/25/2017	ND	432	108	400	3.64	

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	05/25/2017	ND	199	99.6	200	1.40	
DRO >C10-C28	<10.0	10.0	05/25/2017	ND	198	99.1	200	0.486	

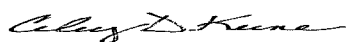
Surrogate: 1-Chlorooctane 104 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.5 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 05/24/2017
Reported: 05/30/2017
Project Name: EAGLE 34 K FED #21 BATTERY
Project Number: 701307.009.01
Project Location: K-34-12S-27E

Sampling Date: 05/23/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-10 1' (H701390-05)

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	05/25/2017	ND	1.90	94.8	2.00	0.773	
Toluene*	<0.050	0.050	05/25/2017	ND	1.87	93.7	2.00	0.523	
Ethylbenzene*	<0.050	0.050	05/25/2017	ND	1.99	99.7	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/25/2017	ND	5.50	91.6	6.00	0.956	
Total BTX	<0.300	0.300	05/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/25/2017	ND	432	108	400	3.64	

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	05/25/2017	ND	199	99.6	200	1.40	
DRO >C10-C28	108	10.0	05/25/2017	ND	198	99.1	200	0.486	

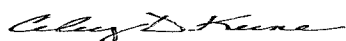
Surrogate: 1-Chlorooctane 93.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.6 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

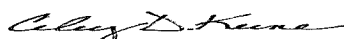
Notes and Definitions

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

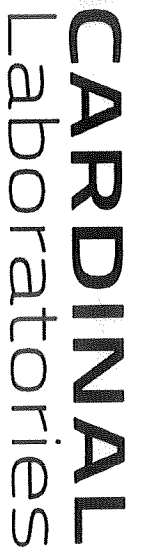
Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

[illegible]