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TALON LPE

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

North Vacuum Abo North Unit (NVANU) #1 Battery
REVISION II

July 26, 2016

Prepared By:

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

Prepared For:

Lime Rock Resources II-A, L.P.

Mr. Jamie Keyes
NMOCD District 1
1625 N. French Dr.
Hobbs, NM 88240

Subject: **Soil Assessment and Remediation Work Plan**
Lime Rock Resources II-A, L.P.
North Vacuum Abo North Unit (NVANU) #1 Battery
API # 30-025-24220|1RP-4251|

Dear Mr. Keyes,

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.

Site Information

The NVANU #1 Battery is located approximately fifteen (15) miles west of Lovington, New Mexico. The legal location for this release is Unit Letter N, Section 2, Township 17 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.8586617 North and -103.533493 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service, the soil in this area is made up of Kimbrough-Lea land complex. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of calcareous-loamy alluvium and calcareous-loamy eolian sands which includes silty soils under lain by sedimentary rock and hard caliche. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

The New Mexico State Engineer web site indicates the nearest ground water data to be in S10-T17S-R34E. The ground water in Section **10** is reported to be at depth of 92' below ground surface (BGS). See Appendix II for the referenced groundwater data.

Therefore the ranking for this site is a **10** based on the following:

Depth to ground water	50'–100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Based upon the site ranking of **10**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 1,000 mg/kg for TPH and 500 mg/kg for total chlorides.

Incident Description and Initial Remedial Actions

On March 15, 2016 Talon personnel met with Amber Groves from the New Mexico State Land Office (NMSLO) and Eddie Elliott with Lime Rock Resources at the NVANU #1 Battery to discuss the concerns of the State Land Office. See initial C-141 in Appendix III.

A site assessment and soil sampling activities for the construction of a work plan was performed. During our site assessment no obvious noxious or undesirable weeds such as African rue, locoweed, etc. were noted. Grab soil samples were collected utilizing a hand auger to a depth of 1.5-feet BGS where refusal was encountered.

An air rotary drill rig was then mobilized for further vertical delineation of the impacted area. Vertical delineation sampling was carried out at sample location S-4(B-1) on April 12, 2016. The results from this sampling event were sent to NMOCD and NMSLO. At that time NMOCD requested even further vertical and horizontal delineation of chlorides in this area. On June 15, 2016, Talon personnel returned to the location to obtain additional samples utilizing a backhoe to a depth of between 2-feet and 10-feet BGS where refusal was encountered.

On July 12, 2016 Talon re-mobilized an air rotary drill rig to further delineate the chloride impacts following a site meeting with the NMOCD and the NMSLO. Boreholes were advanced inside of the impacted area at sample locations S-5(B-2), S-6(B-3), and S-9(B-4). Horizontal delineation samples were also taken on the periphery of the impacted area at sample locations B-6 through B-11 as directed by the NMOCD. The results of the sampling events at this location are summarized in the data tables below.

Laboratory Results

See Appendix IV for complete report of laboratory results.

March 24, 2016

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-4	0'	<0.300	3200	<10	<10
S-4	1'	<0.300	6240	<10	<10
S-4 Refusal	1.5'	<0.300	7280	<10	<10

April 21, 2015

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
B-1 / S-4	5'	--	736	--	--
B-1 / S-4	10'	--	1380	--	--
B-1 / S-4	15'	--	688	--	--
B-1 / S-4	20'	--	320	--	--
B-1 / S-4	25'	--	16	--	--
B-1 / S-4	30'	--	<16	--	--

		6/15/16	6/23/16	7/6/16
Sample ID	**Depth (feet)**	**Field Titration Chlorides (mg/kg)**	**Cardinal Lab Chlorides (mg/kg)**	**Xenco Lab Chlorides (mg/kg)**
S-5	0'	2245	2840	--
S-5	1'	1973	2600	--
S-5 Refusal	2'	292	640	--
S-6	0'	70	<16	--
S-6	1'	70	<16	--
S-6	2'	70	16	--
S-6	3'	121	192	--
S-6	4'	355	1230	945
S-6	5'	497	800	645
S-6	6'	425	672	488
S-6	7'	292	528	515
S-6	8'	355	480	308
S-6	10'	292	432	320
S-7	0'	2836	3840	--
S-7	1'	3191	3640	--
S-7 Refusal	2'	493	592	--

		6/15/16	6/23/16	7/6/16
Sample ID	**Depth (feet)**	**Field Titration Chlorides (mg/kg)**	**Cardinal Lab Chlorides (mg/kg)**	**Xenco Lab Chlorides (mg/kg)**
S-8	0'	70	96	31.7
S-8	1'	2552	3040	2440
S-8	2'	3048	3720	3140
S-8	3'	1985	2320	1740
S-8	4'	--	1260	1190
S-8	5'	567	864	668
S-8	6'	425	768	672
S-8	7'	425	528	520
S-8	9'	212	336	236
S-9	0'	425	784	--
S-9	1'	993	1300	--
S-9	2'	922	2040	--
S-9 Refusal	2.5'	922	1680	--

July 12, 2016

Sample ID	**Depth (feet)**	**Chlorides (mg/kg)**
B-2/S-5	5	249
B-3/S-6	15	733
B-3/S-6	20	717
B-3/S-6	30	248
B-4/S-7	5	41.5
B-5/S-9	5	1880
B-5/S-9	10	1350
B-5/S-9	15	859
B-5/S-9	20	314
B-5/S-9	25	210
B-6	0	41.6
B-6	5	21.0
B-7	0	ND
B-7	5	15.6
B-8	0	ND
B-8	5	ND
B-9	0	ND
B-9	5	ND
B-10	0	ND
B-10	5	77.5
B-11	0	ND
B-11	5	ND

Proposed Remedial actions

- The impacted areas where refusal with the excavator was encountered at top of rock (B-1, B-2, B-3, B-4 and B-5) will be excavated to the maximum depth possible (approximately 2.0'-2.5' BGS).

- The impacted area in the vicinity of sample locations B-3/S-6 and S-8 will be excavated to a depth of 3-feet BGS.

- All of the excavated material will be hauled to Lea Land LLC, a NMOCD approved solid waste disposal facility.

- The excavated areas where hard rock was not encountered (B-3/S-6 and S-8) will be backfilled with 1-foot of caliche in order to encapsulate the remaining chloride impacts. The remaining depth of the entire excavation will be backfilled with locally obtained topsoil.

- The backfilled area in the pasture will be contoured to match the surrounding terrain and left in a "rough" condition to approximate natural surface deviations, control erosion, and promote revegetation.

- Immediately following preparation of the site, a Culti-Pack Seed Drill will be utilized to plant 1 acre of BLM #3 seed mixture.

- The site will be monitored by Lime Rock Resources personnel to insure proper revegetation is achieved. The NMSLO policy stated the goal is to obtain native plant cover and diversity levels that are equal to or exceeding natural potential levels.

- A final closure report documenting all remedial actions, analytical results, a final C-141 and seeding labels will be provided to the NMOCD District I Hobbs Office and NMSLO along with the Revegetation Forms.

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

Respectfully submitted,

TALON/LPE

Kimberly M. Wilson
Project Manager

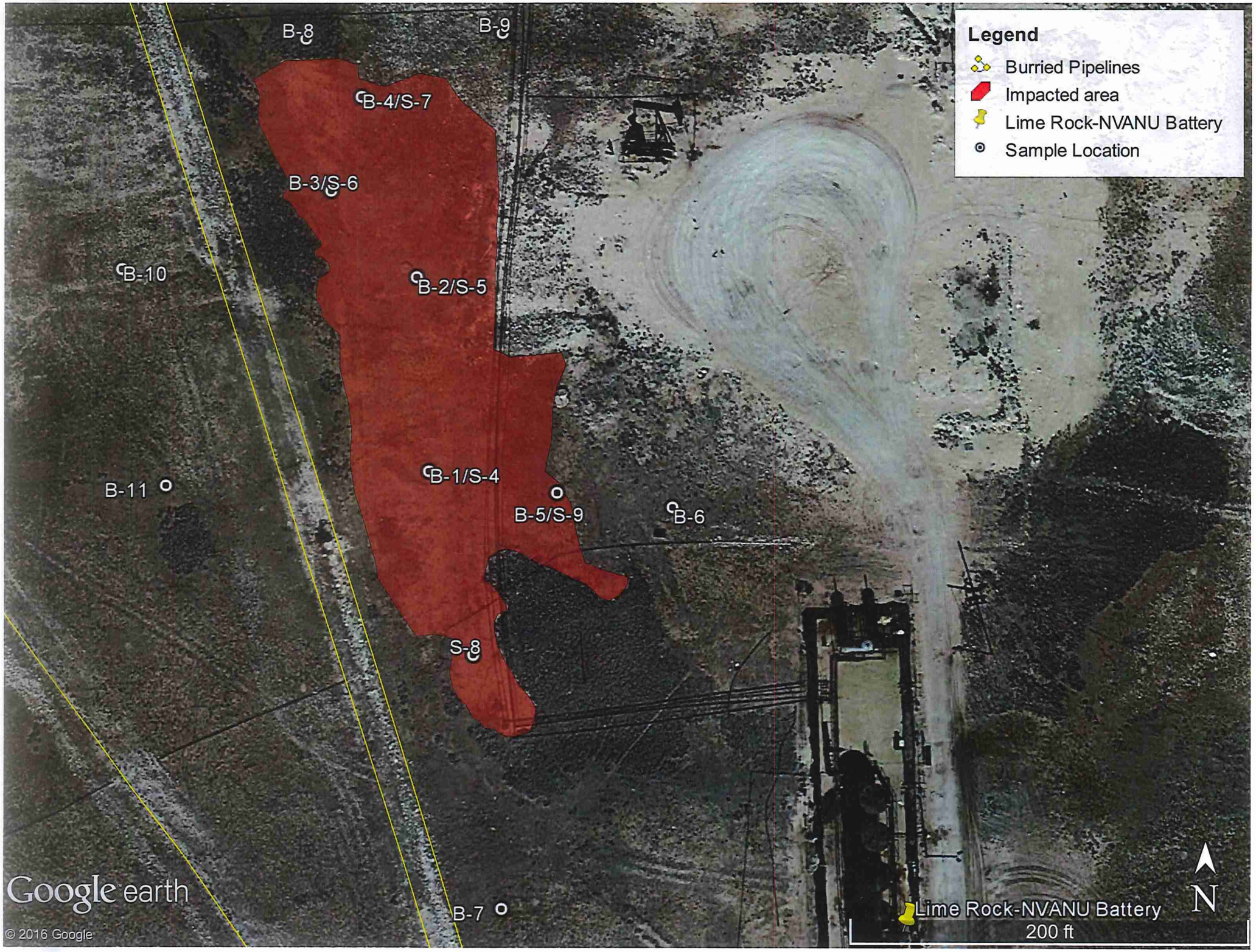
David J. Adkins
District Manager

Attachments:

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

APPENDIX I

SITE PLAN


Legend
Burried Pipelines
Impacted area
Lime Rock-NVANU Battery
Sample Location
B-8
B-9
B-4/S-7
B-3/S-6
B-10
B-2/S-5
B-11
B-1/S-4
B-5/S-9
B-6
S-8
B-7
Google earth
© 2016 Google
Lime Rock-NVANU Battery
200 ft
N

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 03241	L	LE		2	2	10	17S	34E	636425	3636145*	584	122	92	30
L 06134	L	LE		2	4	03	17S	34E	636411	3636949*	710	175	95	80
L 03011	L	LE				02	17S	34E	637425	3637158*	865	121	80	41
L 05806	L	LE		2	2	11	17S	34E	638036	3636179*	1148	155	105	50
L 02749	L	LE		4	2	11	17S	34E	638043	3635776*	1310	150	85	65
L 06074	L	LE		2	2	03	17S	34E	636395	3637753*	1401	172	95	77
L 06771	L	LE	1	1	1	12	17S	34E	638338	3636287*	1426	165	86	79
L 03846 X	L	LE		3	3	11	17S	34E	636847	3634945*	1510	200	130	70
L 06894	L	LE	1	4	1	10	17S	34E	635524	3635825*	1532	175	103	72
L 06766	L	LE	4	1	1	12	17S	34E	638538	3636087*	1658	160	90	70
L 06752	L	LE	4	4	4	10	17S	34E	636542	3634836*	1661	170	55	115
L 03846 X2	L	LE		1	1	14	17S	34E	636853	3634543*	1912	200	90	110

Average Depth to Water: **92 feet**

Minimum Depth: **55 feet**

Maximum Depth: **130 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 636921 **Northing (Y):** 3636454 **Radius:** 2000

***UTM location was derived from PLSS - see Help**

APPENDIX III

INITIAL C-141

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

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

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. : **575-365-9724**
Facility Name : **North Vacuum Abo North Unit #1**	Facility Type: **Battery**

Surface Owner : **State**	Mineral Owner:	Lease No. **30-025-24220**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
N	2	17S	34E					

Latitude 32.8586617 N **Longitude** -103.533493 W

NATURE OF RELEASE

Type of Release : **Unknown**	Volume of Release : **Unknown**	Volume Recovered: **Unknown**
Source of Release : **Unknown**	Date and Hour of Occurrence: **Unknown**	Date and Hour of Discovery:
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom? **Amber Groves**	Date and Hour:	
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.* **Amber Groves with the NM State Land Office and the NMOCD required the bare spot to the west behind the battery be delineated to determine the extent of the vertical contamination.**

Describe Area Affected and Cleanup Action Taken.* **Lime Rock Resources contacted Talon/LPE to perform initial site assessment and sampling activities in order to generate a work plan.**

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: Michael Barrett	OIL CONSERVATION DIVISION	
Printed Name: **Michael Barrett**	Approved by District Supervisor:	
Title: **Production Superintendent**	Approval Date:	Expiration Date:
E-mail Address: **mbarrett@limerockresources.com**	Conditions of Approval:	Attached ☐
Date: **4/18/2016** Phone: **575-365-9724**		

* Attach Additional Sheets If Necessary

APPENDIX IV

LABORATORY RESULTS

CARDINAL Laboratories

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

March 24, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU

Enclosed are the results of analyses for samples received by the laboratory on 03/18/16 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 accreditated 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2016	Sampling Date:	03/15/2016
Reported:	03/24/2016	Sampling Type:	Soil
Project Name:	NVANU	Sampling Condition:	Cool & Intact
Project Number:	70130707701	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: S-4 0' (H600600-01)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2016	ND	2.01	100	2.00	1.37	
Toluene*	<0.050	0.050	03/23/2016	ND	1.91	95.5	2.00	1.66	
Ethylbenzene*	<0.050	0.050	03/23/2016	ND	1.66	83.0	2.00	0.895	
Total Xylenes*	<0.150	0.150	03/23/2016	ND	5.21	86.9	6.00	2.69	
Total BTEX	<0.300	0.300	03/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.2 %* *73.6-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3200**	16.0	03/21/2016	ND	416	104	400	8.00	

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	03/22/2016	ND	199	99.4	200	1.20	
DRO >C10-C28	<10.0	10.0	03/22/2016	ND	182	91.2	200	8.62	

Surrogate: 1-Chlorooctane *103 %* *35-147*

Surrogate: 1-Chlorooctadecane *106 %* *28-171*

*=Accredited Analyte

Cardinal Laboratories

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2016	Sampling Date:	03/15/2016
Reported:	03/24/2016	Sampling Type:	Soil
Project Name:	NVANU	Sampling Condition:	Cool & Intact
Project Number:	70130707701	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: S-4 1.0' (H600600-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2016	ND	2.01	100	2.00	1.37	
Toluene*	<0.050	0.050	03/23/2016	ND	1.91	95.5	2.00	1.66	
Ethylbenzene*	<0.050	0.050	03/23/2016	ND	1.66	83.0	2.00	0.895	
Total Xylenes*	<0.150	0.150	03/23/2016	ND	5.21	86.9	6.00	2.69	
Total BTEX	<0.300	0.300	03/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID 98.5 % 73.6-140

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6240**	16.0	03/21/2016	ND	416	104	400	8.00	

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	03/22/2016	ND	199	99.4	200	1.20	
DRO >C10-C28	<10.0	10.0	03/22/2016	ND	182	91.2	200	8.62	

Surrogate: 1-Chlorooctane 94.7 % 35-147

Surrogate: 1-Chlorooctadecane 97.1 % 28-171

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/18/2016	Sampling Date:	03/15/2016
Reported:	03/24/2016	Sampling Type:	Soil
Project Name:	NVANU	Sampling Condition:	Cool & Intact
Project Number:	70130707701	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: S-4 1.5' (H600600-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2016	ND	2.01	100	2.00	1.37	
Toluene*	<0.050	0.050	03/23/2016	ND	1.91	95.5	2.00	1.66	
Ethylbenzene*	<0.050	0.050	03/23/2016	ND	1.66	83.0	2.00	0.895	
Total Xylenes*	<0.150	0.150	03/23/2016	ND	5.21	86.9	6.00	2.69	
Total BTEX	<0.300	0.300	03/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *73.6-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7280**	16.0	03/21/2016	ND	416	104	400	8.00	

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	03/22/2016	ND	199	99.4	200	1.20	
DRO >C10-C28	<10.0	10.0	03/22/2016	ND	182	91.2	200	8.62	

Surrogate: 1-Chlorooctane *94.5 %* *35-147*

Surrogate: 1-Chlorooctadecane *95.1 %* *28-171*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	TALON / LPE
Project Manager:	DAVID ADKINS
Address:	408 W. TX AVE
City:	ARTESIA State: NM Zip: 88210
Phone #:	575.441.4935 Fax #:
Project #:	701307.077.01 Project Owner: LIME ROCK
Project Name:	NVANU
Project Location:	
Sampler Name:	D. ADKINS

BILL TO

P.O. #:	701307.077.01
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	TPH	BTEX	Total chlorides
H16001600																	
1	S-4 0'	G	1			1					1		3/15/16				
2	S-4 1.0'	G	1			1					1		3/15/16				
3	S-4 1.5'	G	1			1					1		3/15/16				

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 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 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:	Date: 3/18/16	Received By:	
	Time: 1042		
Relinquished By:	Date: 3/18/16	Received By:	Jodi Henson
	Time: 12:30		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	4.4°	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54

CARDINAL Laboratories

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

April 21, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #1

Enclosed are the results of analyses for samples received by the laboratory on 04/15/16 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 accreditated 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/15/2016	Sampling Date:	04/12/2016
Reported:	04/21/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	Cool & Intact
Project Number:	701307.077.01	Sample Received By:	Celey D. Keene
Project Location:	LOVINGTON, NM		

Sample ID: B-1 5' (H600825-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**736**	16.0	04/18/2016	ND	416	104	400	3.92	

Sample ID: B-1 10' (H600825-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1380**	16.0	04/18/2016	ND	416	104	400	3.92	

Sample ID: B-1 15' (H600825-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	04/18/2016	ND	416	104	400	3.92	

Sample ID: B-1 20' (H600825-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	04/18/2016	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE		BILL TO	
Project Manager: David Adkins		P.O. #:	
Address: 408 W. Texas Ave.		Company: Talon/LPE	
City: Artesia	State: NM Zip: 88210	Attn:	
Phone #: 575-746-8768	Fax #: 575-746-8905	Address:	
Project #:	Project Owner: Lime Rock	City:	
Project Name: NVANU #1		State: Zip:	
Project Location: Lea Cty		Phone #:	
Sampler Name: Kim Wilis		Fax #:	

ANALYSIS REQUEST

Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride
H600925-01	B-1 5'	G	1			1						1	4/12/16	3:23	1
02	B-1 10'	G	1			1						1		3:24	1
03	B-1 15'	G	1			1						1		3:35	1
04	B-1 20'	G	1			1						1	↓	3:39	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 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 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: Kim Wilson	Date: 4/14/16 Time: 9:04 A	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 4-14-16 Time: 11:15	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	4.6°C Corrected 4.7°C	Sample Condition: Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) CK #54

REMARKS:

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

CARDINAL Laboratories

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

April 25, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #1

Enclosed are the results of analyses for samples received by the laboratory on 04/22/16 12:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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.

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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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/22/2016	Sampling Date:	04/12/2016
Reported:	04/25/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: B-1 25' (H600879-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	04/22/2016	ND	400	100	400	0.00	

Sample ID: B-1 30' (H600879-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/22/2016	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE	BILL TO
Project Manager: David Adkins	P.O. #:
Address: 408 W. Texas Ave.	Company: Talon/LPE
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:
Project #: Project Owner:	City:
Project Name: NVANU #1 Battery	State: Zip:
Project Location: Lea Cty	Phone #:
Sampler Name: Kim Wilson	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE/COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST
H600879															Chloride
1	B-1 25'	G	1			✓						✓	4/12/16		✓
2	30'	G	1			✓						✓	4/12/16		✓

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 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 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: Kim Wilson	Date: 4/12/16 Time: 1:38	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 4/12/16 Time: 2:16	Received By: Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 25.8°		Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)

REMARKS: Rush

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2526

Corrected 25.1° #CH

CARDINAL Laboratories

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

June 23, 2016

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #1

Enclosed are the results of analyses for samples received by the laboratory on 06/17/16 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/17/2016	Sampling Date:	06/15/2016
Reported:	06/23/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: S-5 0' (H601336-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2840**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-5 1' (H601336-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2600**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-5 2' REFUSAL (H601336-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 0' (H601336-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/21/2016	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/17/2016	Sampling Date:	06/15/2016
Reported:	06/23/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: S-6 1' (H601336-05)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 2' (H601336-06)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 3' (H601336-07)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 4' (H601336-08)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1230**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 5' (H601336-09)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**800**	16.0	06/21/2016	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/17/2016	Sampling Date:	06/15/2016
Reported:	06/23/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: S-6 6' (H601336-10)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 7' (H601336-11)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 8' (H601336-12)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	06/21/2016	ND	400	100	400	7.69	

Sample ID: S-6 10' REFUSED (H601336-13)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-7 0' (H601336-14)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3840**	16.0	06/21/2016	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/17/2016	Sampling Date:	06/15/2016
Reported:	06/23/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: S-7 1' (H601336-15)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3640**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-7 2' REFUSAL (H601336-16)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-8 0' (H601336-17)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-8 1' (H601336-18)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3040**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-8 2' (H601336-19)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3720**	16.0	06/21/2016	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	06/17/2016	Sampling Date:	06/15/2016
Reported:	06/23/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: S-8 3' (H601336-20)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2320**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-8 4' (H601336-21)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1260**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-8 5' (H601336-22)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**864**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-8 6' (H601336-23)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**768**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-8 7' (H601336-24)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	06/21/2016	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/17/2016	Sampling Date:	06/15/2016
Reported:	06/23/2016	Sampling Type:	Soil
Project Name:	NVANU #1	Sampling Condition:	** (See Notes)
Project Number:	701307.077.01	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: S-8 9' REFUSAL (H601336-25)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-9 0' (H601336-26)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**784**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-9 1' (H601336-27)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1300**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-9 2' (H601336-28)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2040**	16.0	06/21/2016	ND	416	104	400	3.92	

Sample ID: S-9 2.5' REFUSAL (H601336-29)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1680**	16.0	06/21/2016	ND	416	104	400	3.92	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

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

Company Name: Talon/LPE	BILL TO
Project Manager: Kimberly Wilson	P.O. #:
Address: 408 W. Texas Ave.	Company: Talon/LPE
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:
Project #: 701307.077.01 Project Owner: Lime Rock	City:
Project Name: NKANUL #1 Battery	State: Zip:
Project Location: Lea Cty	Phone #:
Sampler Name: Kim Wilson	Fax #:

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST
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	Chlorides
H601336																
-1	S-5 0'	G				1							1	6/15/16		1
-2	S-5 1'	G				1							1			1
-3	S-5 2' Refusal	G				1							1			1
-4	S-6 0'	G				1							1			1
-5	S-6 1'	G				1							1			1
-6	S-6 2'	G				1							1			1
-7	S-6 3'	G				1							1			1
-8	S-6 4'	G				1							1			1
-9	S-6 5'	G				1							1			1
-10	S-6 6'	G				1							1			1

Relinquished By: Kim Wilson	Date: 6/17/16	Received By: Angela Cabrera	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 15:00		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 32.3°C

Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) AC

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

#75

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 3

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

Company Name: Talon/LPE	BILL TO
Project Manager: Kimberly Wilson	P.O. #:
Address: 408 W. Texas Ave.	Company: Talon/LPE
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:
Project #: 701307.077.01 Project Owner:	City:
Project Name: NVANU #1 Battery	State: Zip:
Project Location: Lea Cty	Phone #:
Sampler Name: Kim Wilson	Fax #:

FOR LAB USE ONLY					MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
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	Chlorides
H001336															
-11	S-6 7'	/				/						/	6/15/16		/
-12	S-6 8'	/				/						/			/
-13	S-6 10' Refusal	/				/						/			/
-14	S-7 0'	/				/						/			/
-15	S-7 1'	/				/						/			/
-16	S-7 2' Refusal	/				/						/			/
-17	S-8 0'	/				/						/			/
-18	S-8 1'	/				/						/			/
-19	S-8 2'	/				/						/			/
-20	S-8 3'	/				/						/			/

Relinquished By: Kim Wilson	Date: 6/17/16	Received By: Angela Cabrera	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 15:00		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 22.3°C

Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) AC

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

#75

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

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

Company Name: Talon/LPE	BILL TO
Project Manager: Kimberly Wilson	P.O. #:
Address: 408 W. Texas Ave.	Company: Talon/LPE
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:
Project #: 701307.077.01 Project Owner: Lime Rock	City:
Project Name: NVARU #1 Battery	State: Zip:
Project Location: Leaky	Phone #:
Sampler Name: Kim Wilson	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides
H601336															
-21	S-8 4'	G				/							6/15/11		/
-22	5'	G				/									/
-23	6'	G				/									/
-24	7'	G				/									/
-25	9' Refused	G				/									/
-26	S-9 0'	G				/									/
-27	1'	G				/									/
-28	2'	G				/									/
-29	2.5 Refused	G				/									/

Relinquished By: Kim Wilson	Date: 6/17/11 Time: 15:00	Received By: Angela Cabrera	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
			REMARKS:

Delivered By: (Circle One)	Sample Condition: Cool / Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: 32.3°C	Cool: ☐ Yes ☐ No; Intact: ☑ Yes ☐ No	AC

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

#75

Analytical Report 533505

for

Talon LPE

Project Manager: David Adkins

NVANU Battery

701307.077.01

21-JUL-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

21-JUL-16

Project Manager: **David Adkins**
Talon LPE
408 W. Texas St.
Artesia, NM 88210

Reference: XENCO Report No(s): **533505**
NVANU Battery
Project Address:

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 533505. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 533505 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 533505

Talon LPE, Artesia, NM

NVANU Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B-2 5'	S	07-12-16 13:00	- 5 ft	533505-001
B-3 15'	S	07-12-16 13:40	- 15 ft	533505-006
B-3 20'	S	07-12-16 13:45	- 20 ft	533505-007
B-3 30'	S	07-12-16 13:50	- 30 ft	533505-008
B-4 5'	S	07-12-16 14:15	- 5 ft	533505-010
B-5 5'	S	07-12-16 15:10	- 5 ft	533505-017
B-5 10'	S	07-12-16 15:15	- 10 ft	533505-018
B-5 15'	S	07-12-16 15:20	- 15 ft	533505-019
B-5 20'	S	07-12-16 15:25	- 20 ft	533505-020
B-5 25'	S	07-12-16 15:30	- 25 ft	533505-021
B-2 10'	S	07-12-16 13:05	- 10 ft	Not Analyzed
B-2 20'	S	07-12-16 13:10	- 20 ft	Not Analyzed
B-2 30'	S	07-12-16 13:15	- 30 ft	Not Analyzed
B-2 40'	S	07-12-16 13:20	- 40 ft	Not Analyzed
B-3 40'	S	07-12-16 13:55	- 40 ft	Not Analyzed
B-4 10'	S	07-12-16 14:20	- 10 ft	Not Analyzed
B-4 20'	S	07-12-16 14:25	- 20 ft	Not Analyzed
B-4 30'	S	07-12-16 14:30	- 30 ft	Not Analyzed
B-4 40'	S	07-12-16 14:35	- 40 ft	Not Analyzed
B-4 50'	S	07-12-16 14:45	- 50 ft	Not Analyzed
B-4 60'	S	07-12-16 14:50	- 60 ft	Not Analyzed
B-5 30'	S	07-12-16 15:35	- 30 ft	Not Analyzed
B-5 35'	S	07-12-16 15:40	- 35 ft	Not Analyzed
B-5 40'	S	07-12-16 15:45	- 40 ft	Not Analyzed

Client Name: Talon LPE
Project Name: NVANU Battery

Project ID: *701307.077.01*
Work Order Number(s): *533505*

Report Date: *21-JUL-16*
Date Received: *07/14/2016*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 533505

Talon LPE, Artesia, NM

Project Name: NVANU Battery

Project Id: 701307.077.01
Contact: David Adkins
Project Location:

Date Received in Lab: Thu Jul-14-16 10:15 am
Report Date: 21-JUL-16
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	533505-001		533505-006		533505-007		533505-008		533505-010		533505-017	
	Field Id:	B-2 5'		B-3 15'		B-3 20'		B-3 30'		B-4 5'		B-5 5'	
	Depth:	5 ft		15 ft		20 ft		30 ft		5 ft		5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-12-16 13:00		Jul-12-16 13:40		Jul-12-16 13:45		Jul-12-16 13:50		Jul-12-16 14:15		Jul-12-16 15:10	
Inorganic Anions by EPA 300/300.1	*Extracted:*	Jul-19-16 12:00		Jul-19-16 12:00		Jul-20-16 12:00		Jul-20-16 12:00		Jul-19-16 12:00		Jul-19-16 12:00	
	Analyzed:	Jul-19-16 14:21		Jul-19-16 14:29		Jul-20-16 15:59		Jul-20-16 16:23		Jul-19-16 14:37		Jul-19-16 15:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		249	10.0	733	50.0	717	50.0	248	10.0	41.5	10.0	1880	100

Kelsey Brooks
Project Manager

Certificate of Analysis Summary 533505

Talon LPE, Artesia, NM

Project Name: NVANU Battery

Project Id: 701307.077.01
Contact: David Adkins
Project Location:

Date Received in Lab: Thu Jul-14-16 10:15 am
Report Date: 21-JUL-16
Project Manager: Kelsey Brooks

Analysis Requested	*Lab Id:*	533505-018		533505-019		533505-020		533505-021			
	Field Id:	B-5 10'		B-5 15'		B-5 20'		B-5 25'			
	Depth:	10 ft		15 ft		20 ft		25 ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Jul-12-16 15:15		Jul-12-16 15:20		Jul-12-16 15:25		Jul-12-16 15:30			
Inorganic Anions by EPA 300/300.1	*Extracted:*	Jul-20-16 12:00		Jul-20-16 12:00		Jul-20-16 12:00		Jul-20-16 12:00			
	Analyzed:	Jul-20-16 16:30		Jul-20-16 16:38		Jul-21-16 15:55		Jul-21-16 16:03			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		1350	50.0	859	50.0	314	10.0	210	10.0		

Kelsey Brooks
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: NVANU Battery

Work Order #: 533505 **Project ID:** 701307.077.01

Analyst: MNR **Date Prepared:** 07/19/2016 **Date Analyzed:** 07/19/2016

Lab Batch ID: 998322 **Sample:** 711120-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Inorganic Anions by EPA 300/300.1 **Analytes**	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	275	110	250	270	108	2	90-110	20	

Analyst: MNR **Date Prepared:** 07/20/2016 **Date Analyzed:** 07/20/2016

Lab Batch ID: 998464 **Sample:** 711178-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Inorganic Anions by EPA 300/300.1 **Analytes**	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	257	103	250	268	107	4	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: NVANU Battery

Work Order # : 533505 **Project ID:** 701307.077.01

Lab Batch ID: 998322 **QC- Sample ID:** 533505-010 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/19/2016 **Date Prepared:** 07/19/2016 **Analyst:** MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	41.5	250	283	97	250	280	95	1	80-120	20	

Lab Batch ID: 998464 **QC- Sample ID:** 533505-007 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/20/2016 **Date Prepared:** 07/20/2016 **Analyst:** MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	717	1250	2040	106	1250	2010	103	1	80-120	20	

Lab Batch ID: 998464 **QC- Sample ID:** 533513-006 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/21/2016 **Date Prepared:** 07/20/2016 **Analyst:** MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	5070	12500	17300	98	12500	17500	99	1	80-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

CHAIN OF CUSTODY

Page 1 of 3

XENCO LABORATORIES

Setting the Standard since 1990

Stafford,Texas (281-240-4200)

Dallas Texas (214-902-0300)

Service Center - San Antonio, Texas (210-509-3334)

Odessa, Texas (432-563-1800)

Norcross, Georgia (770-449-8800)

Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

www.xenco.com

Xenco Quote #

Xenco Job # 533505

Client / Reporting Information

Company Name / Branch: Talon/LPE-Artesia

Company Address: 408 W. Texas Ave. Artesia, NM 88210

Email: dadkins@talonlpe.com

Phone No: 575-441-4835

Project Contact: David Adkins

Samplers's Name: Sheldon Hitchcock

Project Information

Project Name/Number: NVANU Battery 701307.077.01

Project Location:

Invoice To: Talon/LPE

PO Number: 701307.077.01

Analytical Information

Matrix Codes

S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
W = Wipe
O = Oil
WW= Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH+Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Total Chlorides	Field Comments
1	B-2 5'	5	7/12/2016	1:00	s	1								X	✓	
2	B-2 10'	10	7/12/2016	1:05	s	1								X	✓	
3	B-2 20'	20	7/12/2016	1:10	s	1								X	✓	
4	B-2 30'	30	7/12/2016	1:15	s	1								X	✓	
5	B-2 40'	40	7/12/2016	1:20	s	1								X	✓	
6	B-3 15'	15	7/12/2016	1:40	s	1								X	✓	
7	B-3 20'	20	7/12/2016	1:45	s	1								X	✓	
8	B-3 30'	30	7/12/2016	1:50	s	1								X	✓	
9	B-3 40'	40	7/12/2016	1:55	s	1								X	✓	
10	B-4 5'	5	7/12/2016	2:15	s	1								X	✓	

Turnaround Time (Business days)

- [ ] Same Day TAT
- [x] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

Stop Cl⁻ if ≤ 250 mg/kg

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sheldon Hitchcock	7/14/16 16:15	Kerla Rosendo	2		2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice
			5			

Temp: 5-2 IR ID:R-8

C/F:0

Corrected Temp: 5-2

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

Final 1.001

Page 10 of 13

CHAIN OF CUSTODY

Page 2 Of 3

XENCO LABORATORIES

Setting the Standard since 1990

Stafford,Texas (281-240-4200)

Dallas Texas (214-902-0300)

Service Center - San Antonio, Texas (210-509-3334)

Odessa, Texas (432-563-1800)

Norcross, Georgia (770-449-8800)

Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

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Xenco Quote #

Xenco Job.# 533505

Client / Reporting Information

Company Name / Branch: Talon/LPE-Artesia

Company Address: 408 W. Texas Ave. Artesia, NM 88210

Email: dadkins@talonlpe.com

Phone No: 575-441-4835

Project Contact: David Adkins

Samplers's Name: Sheldon Hitchcock

Project Information

Project Name/Number: NVANU Battery 701307.077.01

Project Location:

Invoice To: Talon/LPE

PO Number: 701307.077.01

Analytical Information

Matrix Codes

S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
W = Wipe
O = Oil
WW= Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Total Chlorides	Field Comments
1	B-4 10'	10	7/12/2016	2:20	S	1								X	✓	
2	B-4 20'	20	7/12/2016	2:25	S	1								X	✓	
3	B-4 30'	30	7/12/2016	2:30	S	1								X	✓	
4	B-4 40'	40	7/12/2016	2:35	S	1								X	✓	
5	B-4 50'	50	7/12/2016	2:45	S	1								X	✓	
6	B-4 60'	60	7/12/2016	2:50	S	1								X	✓	
7	B-5 5'	5	7/12/2016	3:10	S	1								X	✓	
8	B-5 10'	10	7/12/2016	3:15	S	1								X	✓	
9	B-5 15'	15	7/12/2016	3:20	S	1								X	✓	
10	B-5 20'	20	7/12/2016	3:25	S	1								X	✓	

Turnaround Time (Business days)

- [ ] Same Day TAT
- [x] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

Stop Cl- if ≤ 250 mg/kg

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sheldon Hitchcock	7/14/16 10:15	Verla Reserds	2		2
3	Relinquished by:	Date Time:	Received By:	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice

Temp: IR ID:R-8
C/F:0 5-2
Corrected Temp: 5-2

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

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CHAIN OF CUSTODY

Page 3 Of 3

XENCO LABORATORIES

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Xenco Quote #

Xenco Job # 533505

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1	B-5 25'	25	7/12/2016	3:30	s	1								X	✓	
2	B-5 30'	30	7/12/2016	3:35	s	1								X	✓	
3	B-5 35'	35	7/12/2016	3:40	s	1								X	✓	
4	B-5 40'	40	7/12/2016	3:45	s	1								X	✓	
5			7/12/2016		s	1								X	✓	
6			7/12/2016		s	1								X	✓	
7			7/12/2016		s	1								X	✓	
8			7/12/2016		s	1								X	✓	
9			7/12/2016		s	1								X	✓	
10			7/12/2016		s	1								X	✓	

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Notes:

Stop at if ≤ 250 mg/kg

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sheldon Hitchcock	7/14/16 0:15	Perla Rosales			
2						
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
4						
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice

Temp: 5-2 IR ID:R-8
C/F:0
Corrected Temp: 5-2

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE

Date/ Time Received: 07/14/2016 10:15:00 AM

Work Order #: 533505

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.2	
#2 *Shipping container in good condition?	N/A	
#3 *Samples received on ice?	Yes	
#4 *Custody Seal present on shipping container/ cooler?	N/A	
#5 *Custody Seals intact on shipping container/ cooler?	N/A	
#6 Custody Seals intact on sample bottles?	N/A	
#7 *Custody Seals Signed and dated?	N/A	
#8 *Chain of Custody present?	Yes	
#9 Sample instructions complete on Chain of Custody?	Yes	
#10 Any missing/extra samples?	No	
#11 Chain of Custody signed when relinquished/ received?	Yes	
#12 Chain of Custody agrees with sample label(s)?	Yes	
#13 Container label(s) legible and intact?	Yes	
#14 Sample matrix/ properties agree with Chain of Custody?	Yes	
#15 Samples in proper container/ bottle?	Yes	
#16 Samples properly preserved?	Yes	
#17 Sample container(s) intact?	Yes	
#18 Sufficient sample amount for indicated test(s)?	Yes	
#19 All samples received within hold time?	Yes	
#20 Subcontract of sample(s)?	Yes	Subcontract Houston
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	N/A	
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Mary Alexis Negron Date: 07/18/2016
Mary Negron

Checklist reviewed by: Kelsey Brooks Date: 07/18/2016
Kelsey Brooks

Analytical Report 533504

for

Talon LPE

Project Manager: David Adkins

NVANU Battery

701307.077.01

20-JUL-16

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

20-JUL-16

Project Manager: **David Adkins**
Talon LPE
408 W. Texas St.
Artesia, NM 88210

Reference: XENCO Report No(s): **533504**
NVANU Battery
Project Address:

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 533504. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 533504 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 533504

Talon LPE, Artesia, NM

NVANU Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B-6 0'	S	07-12-16 09:30	- 0 ft	533504-001
B-6 5'	S	07-12-16 09:40	- 5 ft	533504-002
B-7 0'	S	07-12-16 10:00	- 0 ft	533504-003
B-7 5'	S	07-12-16 10:10	- 5 ft	533504-004
B-8 0'	S	07-12-16 10:30	- 0 ft	533504-005
B-8 5'	S	07-12-16 10:40	- 5 ft	533504-006
B-9 0'	S	07-12-16 10:56	- 0 ft	533504-007
B-9 5'	S	07-12-16 11:06	- 5 ft	533504-008
B-10 0'	S	07-12-16 11:05	- 0 ft	533504-009
B-10 5'	S	07-12-16 11:20	- 5 ft	533504-010
B-11 0'	S	07-12-16 12:30	- 0 ft	533504-011
B-11 5'	S	07-12-16 12:40	- 5 ft	533504-012

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 533504

Talon LPE, Artesia, NM

Project Name: NVANU Battery

Project Id: 701307.077.01
Contact: David Adkins
Project Location:

Date Received in Lab: Thu Jul-14-16 10:15 am
Report Date: 20-JUL-16
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	533504-001		533504-002		533504-003		533504-004		533504-005		533504-006	
	Field Id:	B-6 0'		B-6 5'		B-7 0'		B-7 5'		B-8 0'		B-8 5'	
	Depth:	0 ft		5 ft		0 ft		5 ft		0 ft		5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-12-16 09:30		Jul-12-16 09:40		Jul-12-16 10:00		Jul-12-16 10:10		Jul-12-16 10:30		Jul-12-16 10:40	
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Jul-19-16 12:00		Jul-19-16 12:00		Jul-19-16 12:00		Jul-19-16 12:00		Jul-19-16 12:00		Jul-19-16 12:00	
	Analyzed:	Jul-19-16 15:31		Jul-19-16 15:39		Jul-19-16 15:47		Jul-19-16 15:54		Jul-19-16 16:02		Jul-19-16 16:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		41.6	10.0	21.0	10.0	ND	10.0	15.6	10.0	ND	10.0	ND	10.0

Kelsey Brooks
Project Manager

Certificate of Analysis Summary 533504

Talon LPE, Artesia, NM

Project Name: NVANU Battery

Project Id: 701307.077.01
Contact: David Adkins
Project Location:

Date Received in Lab: Thu Jul-14-16 10:15 am
Report Date: 20-JUL-16
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	533504-007		533504-008		533504-009		533504-010		533504-011		533504-012	
	Field Id:	B-9 0'		B-9 5'		B-10 0'		B-10 5'		B-11 0'		B-11 5'	
	Depth:	0 ft		5 ft		0 ft		5 ft		0 ft		5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-12-16 10:56		Jul-12-16 11:06		Jul-12-16 11:05		Jul-12-16 11:20		Jul-12-16 12:30		Jul-12-16 12:40	
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Jul-19-16 12:00		Jul-19-16 12:00		Jul-19-16 17:00		Jul-19-16 17:00		Jul-19-16 17:00		Jul-19-16 17:00	
	Analyzed:	Jul-19-16 16:18		Jul-19-16 16:26		Jul-19-16 18:36		Jul-19-16 18:59		Jul-19-16 19:07		Jul-19-16 19:15	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	10.0	ND	10.0	ND	10.0	77.8	10.0	ND	10.0	ND	10.0

Kelsey Brooks
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: NVANU Battery

Work Order #: 533504 **Project ID:** 701307.077.01

Analyst: MNR **Date Prepared:** 07/19/2016 **Date Analyzed:** 07/19/2016

Lab Batch ID: 998322 **Sample:** 711120-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	275	110	250	270	108	2	90-110	20	

Analyst: MNR **Date Prepared:** 07/19/2016 **Date Analyzed:** 07/19/2016

Lab Batch ID: 998344 **Sample:** 711135-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	266	106	250	270	108	1	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: NVANU Battery

Work Order # : 533504 **Project ID:** 701307.077.01

Lab Batch ID: 998322 **QC- Sample ID:** 533505-010 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/19/2016 **Date Prepared:** 07/19/2016 **Analyst:** MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	41.5	250	283	97	250	280	95	1	80-120	20	

Lab Batch ID: 998344 **QC- Sample ID:** 533504-009 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 07/19/2016 **Date Prepared:** 07/19/2016 **Analyst:** MNR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	250	263	105	250	253	101	4	80-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

CHAIN OF CUSTODY

Page 1 Of 2

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2	B-6 5'	5	7/12/2016	9:40	s	1								X	✓	
3	B-7 0'	0	7/12/2016	10:00	s	1								X	✓	
4	B-7 5'	5	7/12/2016	10:10	s	1								X	✓	
5	B-8 0'	0	7/12/2016	10:30	s	1								X	✓	
6	B-8 5'	5	7/12/2016	10:40	s	1								X	✓	
7	B-9 0'	0	7/12/2016	10:56	s	1								X	✓	
8	B-9 5'	5	7/12/2016	11:06	s	1								X	✓	
9	B-10 0'	0	7/12/2016	11:05	s	1								X	✓	
10	B-10 5'	5	7/12/2016	11:20	s	1								X	✓	

Turnaround Time (Business days)

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3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice

Temp: 5.2 IR ID:R-8
C/F:0
Corrected Temp: 5.2

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Xenco Quote #

Xenco Job # 533504

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Company Address: 408 W. Texas Ave. Artesia, NM 88210

Email: dadkins@talonlpe.com

Phone No: 575-441-4835

Project Contact: David Adkins

Samplers's Name: Sholden Hitchcock

Project Information

Project Name/Number: NVANU Battery 701307.077.01

Project Location:

Invoice To: Talon/LPE

PO Number: 701307.077.01

Analytical Information

Total Chlorides

Matrix Codes

S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
W = Wipe
O = Oil
WW= Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Total Chlorides	Field Comments
1	B-11 0'	0	7/12/2016	12:30	s	1								X	✓	
2	B-11 5'	5	7/12/2016	12:40	s	1								X	✓	
3																
4																
5																
6																
7																
8																
9																
10																

Turnaround Time (Business days)

- ☐ Same Day TAT
- ☒ 5 Day TAT
- ☐ Next Day EMERGENCY
- ☐ 7 Day TAT
- ☐ 2 Day EMERGENCY
- ☐ Contract TAT
- ☐ 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- ☐ Level II Std QC
- ☐ Level IV (Full Data Pkg /raw data)
- ☐ Level III Std QC+ Forms
- ☐ TRRP Level IV
- ☐ Level 3 (CLP Forms)
- ☐ UST / RG -411
- ☐ TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Sholden Hitchcock	7/14/16 10:15	Kerri Rogers	2		2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice

Temp: IR ID:R-8
C/F:0 5-2
Corrected Temp: 5-2

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

Final 1.000

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE

Date/ Time Received: 07/14/2016 10:15:00 AM

Work Order #: 533504

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.2	
#2 *Shipping container in good condition?	N/A	
#3 *Samples received on ice?	Yes	
#4 *Custody Seal present on shipping container/ cooler?	N/A	
#5 *Custody Seals intact on shipping container/ cooler?	N/A	
#6 Custody Seals intact on sample bottles?	N/A	
#7 *Custody Seals Signed and dated?	N/A	
#8 *Chain of Custody present?	Yes	
#9 Sample instructions complete on Chain of Custody?	Yes	
#10 Any missing/extra samples?	No	
#11 Chain of Custody signed when relinquished/ received?	Yes	
#12 Chain of Custody agrees with sample label(s)?	Yes	
#13 Container label(s) legible and intact?	Yes	
#14 Sample matrix/ properties agree with Chain of Custody?	Yes	
#15 Samples in proper container/ bottle?	Yes	
#16 Samples properly preserved?	Yes	
#17 Sample container(s) intact?	Yes	
#18 Sufficient sample amount for indicated test(s)?	Yes	
#19 All samples received within hold time?	Yes	
#20 Subcontract of sample(s)?	Yes	Subcontract Houston
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes	
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	N/A	
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Mary Alexis Negron Date: 07/18/2016
Mary Negron

Checklist reviewed by: Kelsey Brooks Date: 07/18/2016
Kelsey Brooks