RECEIVED By JKeyes at 7:52 am, Aug 05, 2016

NOT APPROVED

The proposed work plan does not provide adequate protection to the environment or groundwater resources.



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 | 21 | 201 | 6 |
|-----------|-----|-----|----|
| Iviai cii | 24, | 201 | ιU |

| 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 |
| 94 36 | | | - | |
| 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

Kindry wilson / ma

Kimberly M. Wilson Project Manager

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David J. Adkins District Manager

Page | 6

Attachments:

Appendix ISite PlanAppendix IIGroundwater DataAppendix IIIInitial C-141Appendix IVLaboratory Results

APPENDIX I SITE PLAN



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) | | | | | | 2=NE 3 st to larg | =SW 4=SI gest) (N | E) IAD83 UTM in me | eters) | (| In feet) | |
|--|---|-----|----|-------------|------|-----|----------------------|----------------------|-----------------------|-------------|--------|------------------|------|
| | POD | | | | | | | | | | | | |
| POD Number | Sub- Code basin Co | oun | | Q Q 16 4 | | Tws | Rng | х | γ | Distance | | Depth Water (| |
| L 03241 | L | LE | ., | | | 17S | | 636425 | 3636145* 🔵 | 584 | 122 | 92 | 30 |
| L 06134 | L | LE | | 24 | 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 | 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 | 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 |
| | | | | | | | | | Avera | ge 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

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

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 RESOURC | ES II-A, LP | Contact : Mike Barrett | | |
| Address : 1111 Bagby Street Suite 4600, Houst | Telephone No. : 575-365-9724 | | | |
| Facility Name : North Vacuum Abo North Uni | t #1 | Facility Type: Battery | | |
| Surface Owner : State | Mineral Owne | er: | Lease No. 30-025 | -24220 |

| Surface Owner : State | Mineral Owner: | Luase 140. 50-045-44440 |
|------------------------|----------------|-------------------------|
| Bullace o mier i State | | |
| | | |

LOCATION OF RELEASE

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

Latitude <u>32.8586617 N</u> Longitude <u>-103.533493 W</u>

NATURE OF RELEASE

| Type of Release : Unknown | Volume of Release : Unknown | Volume Rec | overed: Unknown | | | |
|--|--|-------------------|-----------------------------|--|--|--|
| Source of Release : Unknown | Date and Hour of Occurrence: | Date and Ho | ur of Discovery: | | | |
| | Unknown | | | | | |
| Was Immediate Notice Given? | If YES, To Whom? | | | | | |
| Yes No Not Required | | | | | | |
| | Date and Hour: | | | | | |
| By Whom? Amber Groves | If YES, Volume Impacting the Wa | torcourse | | | | |
| Was a Watercourse Reached? | If YES, volume impacting the wa | lercourse. | | | | |
| 🗌 Yes 🖾 No | | | | | | |
| If a Watercourse was Impacted, Describe Fully.* | | | | | | |
| | | | | | | |
| Describe Cause of Problem and Remedial Action Taken.* Amber Groves | s with the NM State Land Office an | d the NMOCE |) required the bare spot to | | | |
| the west behind the battery be delineated to determine the extent of the | ne vertical contamination. | | | | | |
| Describe Area Affected and Cleanup Action Taken.* Lime Rock Reso | urces contacted Talon/LPE to per | form initial sit | te assessment and sampling | | | |
| activities in order to generate a work plan | | | | | | |
| I hardby continue that the information given above is true and complete to the | he best of my knowledge and underst | and that pursua | nt to NMOCD rules and | | | |
| regulations all operators are required to report and/or file certain release n | otifications and perform corrective ac | ctions for releas | ses which may endanger | | | |
| with health or the any ironment. The accentance of a C-141 report by the | e NMOCD marked as "Final Report" | does not reliev | e the operator of hability | | | |
| should their operations have failed to adequately investigate and remediat | e contamination that pose a threat to | ground water, s | urface water, numan nearm | | | |
| or the environment. In addition, NMOCD acceptance of a C-141 report d | oes not relieve the operator of respon | sibility for com | pliance with any other | | | |
| federal, state, or local laws and/or regulations. | | | | | | |
| | OIL CONSERVATION DIVISION | | | | | |
| | | | | | | |
| Signature: Mul Bart | | | | | | |
| | Approved by District Supervisor: | | | | | |
| Printed Name: Michael Barrett | | | | | | |
| | | | | | | |
| Title: Production Superintendent | Approval Date: | Expiration Da | ate: | | | |
| | | | | | | |
| 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



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 accredited 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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



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

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

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

| Sample 1D: S-4 0' (H600600-0) BTEX 8021B | mg/l | kg | Analyzed | d 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 (PIL | 99.2 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-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 | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| 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 | % 35-142 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 | % 28-17. | 1 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 6



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

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

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 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | 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 | Analyze | d 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 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.1 | % 28-171 | 1 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liabitity and Damages. Cardinal's isbitity and clenc's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by clent for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed valved 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 subsidiarles, 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 observices. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg Di Kerre

Celey D. Keene, Lab Director/Quality Manager



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 | Analyze | d 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 (PIL | 100 9 | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | 7 | | | | | | |
| Surrogate: I-Chlorooctadecane | 95.1 | % 28-171 | 1 | | | | | | |

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*=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 incidential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by clent, 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. Kune

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 SM4500CI-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager

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| Relinquished By: Date: Received By: Relinquished By: The: Date: Received By: Relinquished By: The: Date: Received By: Relinquished By: The: Date: Received By: Delivered By: The: Date: Received By: Sample Condition Condition Condition Condition Sampler - UPS - Bus - Other: U.U.U. No No No + Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 H.U.U. H.U.U. H.U.U.U. | PLEASE NOTE: Labily and Damager. Continuits fability and clerify exclusive remedy for any claim taking whether based in copined or tort, shall be finited to the answert paid by the clerify tor any claim taking whether based in copined or tort, shall be finited to the answert paid by the clerify tor any claim taking whether based in copined or tort, shall be finited to the answert paid by the clerify and the probability and clerify exclusive remedy for any claim taking whether based in copined or tort, shall be finited to the answert paid by the clerify and the probability and the probability and clerify exclusive remedy the clerify th | Image: Containers Image: Containers Image: Containers | |
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CUSTODY AND ANALYSIS REQUEST

Page 6 of 6

Laboratories



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 accredited 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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



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 | | /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 | /kg | Analyze | d 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 | /kg | Analyze | d 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 | /kg | Analyze | d 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 | |

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*=Accredited Analyte

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Celleg D. Kere

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager

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|--|----------------------------|---|--|---|--|--|--|---|------------------|-----------------------------------|-----------|-------------|---|---|---|----------|----------------------------|-------------------------------|-------------------------|--|---------------------------------------|----------------|----------|
| | | unc ⊔ Yes ⊔ No Addi Phone# 7 □ Yes □ No Addi Fax# 7 | | | | | | | | | <u>de</u> | | | | | | | | ANALYSIS REQUEST | • | CHAIN-OF-CUSTODY AND ANALYSIS REQUEST | | |

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Page 4 of 4



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 accredited 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,

Celaz D. Keene

Celey D. Keene Lab Director/Quality Manager



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

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

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

| Chloride, SM4500Cl-B mg/kg | | | Analyze | d 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 Analyzed By: HM mg/kg Method Blank BS % Recovery True Value QC RPD Qualifier Reporting Limit Analyzed Analyte Result 400 0.00 04/22/2016 ND 400 100 16.0 Chloride <16.0

Cardinal Laboratories

*=Accredited Analyte

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celez Di Kune-

Celey D. Keene, Lab Director/Quality Manager

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|---|--|--------------|---|---|---|--|--|-----------|-----------------------------|-----|-------------------|--------------------------------|-------------|---------------|----------------|---------------------------------|----------------------|---------------|--------------|-------------|--|---------------------------------------|
| | CHECKED BY: | MARK . Mich. | Phone Result I Yes I No Addi Fhone # Fax Result, I Yes I No Addi Fax # REMARKS: | Next by Cardinal within 30 days a few show based by a splitting. If use, of the adverted by allow the substitution. He does nave of the abave a based associated and the splitting. | | | | | CID/BA DE /.CO THER : | SE: | PRESERVY SAMPLING | | ў. | State: Zip: | | Address: | - 1 | | P.O. # | | | CHAIN-OF-CUSTODY AND ANALYSIS REQUEST |

Page 4 of 4

Laboratories

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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 accredited 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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



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

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

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

| Chloride, SM4500Cl-B | /kg | Analyze | d 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 | | | Analyze | d 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 | | | | | | <u>.</u> |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| 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

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Celez & Keene

Celey D. Keene, Lab Director/Quality Manager



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, SM4500CI-B | mg | mg/kg Analyzed By: | | | | | | | |
|----------------------|--------|--------------------|------------|--------------|-----|------------|---------------|------|-----------|
| 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, SM4500CI-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, SM4500CI-B | de, 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 | | | Analyze | d 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

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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, SM4500CI-B | /kg | g 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 | | Analyze | 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, SM4500CI-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 | |

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*=Accredited Analyte

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Celeg Di Kene

Celey D. Keene, Lab Director/Quality Manager



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

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

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 | hloride, 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 | | g/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 | |

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Celez D. Kerre

Celey D. Keene, Lab Director/Quality Manager



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

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

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 | 2 |

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

| Chloride, SM4500CI-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, SM4500Ci-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 ' | |

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Celleg Di Keene

Celey D. Keene, Lab Director/Quality Manager



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, SM4500CI-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, SM4500CI-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, SM4500CI-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 | |

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |
| | |

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Celeg D. Kene

Celey D. Keene, Lab Director/Quality Manager

| | | | Page 1 of | 5 |
|---|--|---|--|----------|
| 16 | <u> </u> | - | ANALYSIS REQUEST | |
| | | | | |
| | company: Talon/LPE | | | |
| zip: 88210 | Attn: | | | |
| 746-8905 | Address: | | | |
| Eine Rock | City: | | | |
| 14 | State: Zip; | , | | |
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| CONTAINI BROUNDW VASTEWAT BOIL | ACID/BASE CE/COOL DTHER: | | | |
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| בי שווקר או איז | nd resched by Cardinal within 50 days after com less of use, or less of profile incurred by cifent, in the second profile incurred by cifent, income | tielon of the applicable is subsidiaries, or otherwise | | |
| Received By: | | 1 Yes 1 Yes | Add'l Phone #: Add'l Fax #: | |
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| Sample Condi Cool Intact | Q | | | |
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| se fax written changes to | (575) 393-2326 | | | |
| | 101 East Marland, Hobbs, NM 82240 (275) 303-2276 121 Tallon/LPE 121 Kind best Ky 121 Kind bes | 101 East Marland, Hobbs, NW 88240 (675) 382-2326 FAX (575) 393-2476 Interest: $\frac{1}{12}$ $\frac{1}{$ | ED BY: | ANALYSIS |

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| 101 East Warland, Hobbs, NM 88240 | , NIM 88240 | | Page 2. of 3 | |
|--|--|--|--|---|
| (575) 393-2326 FAX (575) 393-2476 Company Name: Talon/LPE | • | | ANALYSIS REQUEST | - |
| Kimberty With | ison | P.O. 步 | | |
| N. Texas Ave. | | company: Talon/LPE | | |
| esia | State: NM Zip: 88210 | Attn: | | |
| -746-8768 F | s: 575-746-8905 | Address: | | , |
| 192419406144 | Cowner: | City: | | |
| me: NUANU#1 | tory | State: Zip: | | |
| Project Location: Lea Ctu | | Phone | | |
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| Time: | | 1 | | |
| Delivered By: (Circle One) | Sample Condition | ion CHECKED BY: (Initials) | | |
| Sampler - UPS - Bus - Other: | | | | |
| Cardinal cannot accept verbal changes. Please fax written changes to (675) 393-2326 | es. Please fax written changes to | (575) 393-2326 | • | |

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Page 10 of 11

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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| ស៊ី 🛛 | Delivered By: (Circle One) Campion Sampler - UPS - Bus - Other: 223° | | Him Wilson 10:00 (V/WW | Relingyished By: | <u>PERSE NOTE: Labity and Constant, contrast, Golding of distant sections on solid y during the section in summer one, and a new source completion at the optimate analyses. At doints laboth for negatives and any doint occurs vectore shall be dealed valued under laboth so area, and are completion at the optimate analyses. In so control chall Charley birds of included a concerported damages, including without includes, including so area of persons of the based with a section at the optimate.</u> | | -28 7.5 Refusal G | 5-9 0' | 9. Retusal | | 2-8-2 | 0 00 U. | G)RAB OR (C)OMP. | : Kin Wilson | Project Location: Leavy | me: NVANU #1 Battery | 10.77.0.7706104 | 575-7 | Address: 400 W. 1000 State: NM Zip: 88210 | N Tavas Ava | Project Manager: Linch 21 by 11/1800 | | 101 East Marland, Hobbs, NM 88240 | Laboratories | NCARDINAL |
|-------------------------|---|---|-------------------------|--|--|--|-------------------|--------|------------|--|-------|---------|---|--------------------------|-------------------------|----------------------|-----------------|----------|---|--------------------|--------------------------------------|------------------|-----------------------------------|---------------------------|-----------|
| inges to (575) 393-2326 | Sample Condition CHECKEJ BT: Cool Infact Vess II Yes Kio I No | | it adrese | Fax Result | In contrast, to use, as we wanted within 30 days after completion of the opplicatio beinverting and networks by Condition within 30 days after completion of the opplication (heurophans, has a firms, of the of profile insured by class to the availability, $\omega_{\rm ext}$) and $\omega_{\rm ext}$ and $\omega_{\rm ext}$ we much claim is there into any of the bactwo stated cascours of the theorem. | and the share share share the share of the amount read by the cleant for the | * | | | | | | OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE ITME | MATRIX PRESERV. SAMPLING | 4 | State: Zip: | City: | Address: | Attn: | Company: Talon/LPE | | | | CHAIN-OF-CUST | |
| | | · | | 口 No Add'i Phone 彩 口 No Add'i Fax 券 | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | ANALYSIS REQUEST | | TODY AND ANALYSIS REQUEST | |

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Page 11 of 11

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,

Huns hoah

Kelsey Brooks Project Manager Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



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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 |
| | | | | |



CASE NARRATIVE

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



David Adkins

Project Location:

Project Id: Contact:

Certificate of Analysis Summary 533505 Talon LPE, Artesia, NM Project Name: NVANU Battery



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

| | 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' |
| Analysis Requested | Depth: | 5 ft | 15 A | 20 ft | 30 ft | 5 ft | S 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 |
| | Analvzed: | 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 |
| | I/mits/RL: | me/kg RL | mg/kg RL |
| Chlorida | | | 733 50.0 | 717 50.0 | 248 10.0 | 41.5 10.0 | 1880 100 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratorics. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Rund Moah Kelsey Brooks Project Manager

Final 1.001

Page 5 of 13

| XENCO | 701307.077.01 |
|-------|---------------|
| | Project Id: |

David Adkins

Project Location:

Contact:

Certificate of Analysis Summary 533505 Talon LPE, Artesia, NM

Project Name: NVANU Battery



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

| | | | - | | |
|-----------------------------------|------------|-----------------|-----------------|-----------------|-----------------|
| | Lab Id: | 533505-018 | 533505-019 | 533505-020 | 170-000550 |
| | Field Id: | B-5 10' | B-5 15' | B-5 20' | B-5 25' |
| Analysis Requested | Depth: | 10 A | 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 |
| , | Analvzed: | Jul-20-16 16:30 | Jul-20-16 16:38 | Jul-21-16 15:55 | Jul-21-16 16:03 |
| | I'mits/RL: | mg/kg RL | mg/kg RL | mg/kg RL | gm |
| Chlorida | | 1350 50.0 | 859 50.0 | 314 10.0 | 210 10.0 |
| | | | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Kunz Woah Kelsey Brooks Project Manager

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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

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 (432) 563-1713

 (602) 437-0330
 (432) 563-1713

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BS / BSD Recoveries



Project Name: NVANU Battery

| | | | Flag | | | | | | Flag | |
|--|-------------------------|---|-----------------------------------|------------|----------|---------------------------|-------------------------|---|-----------------------------------|--------------|
| .01 | | λ | Control Limits %RPD | | 20 | | | Y | Control Limits %RPD | |
| Project ID: 701307.077.01 ate Analyzed: 07/19/2016 | olid | RY STUI | Control Limits %R | | 90-110 | 7/20/2016 | olid | ERY STUI | Control Limits %R | |
| Project ID: 701307.07 Date Analyzed: 07/19/2016 | Matrix: Solid | RECOVE | RPD % | | 7 | Date Analyzed: 07/20/2016 | Matrix: Solid | RECOVI | RPD % | |
| Proj Date Ai | | ICATE | Blk. Spk Dup. %R | [5] | 108 | Date A | | ICATE | Blk. Spk Dup. %R | છિ |
| | | PIKE DUPI | Blank Spîke Dunlicate | Result [F] | 270 | | | PIKE DUPI | Blank Spike Dunlicate | Result [F] |
| | | ILANK S | Spike Added | [E] | 250 | | | STANK S | Spike Added | [E] |
| 9 | | SPIKE / E | Blank Spike %R | ē | 110 | 16 | | SPIKE / I | Blank Spike %R | ā |
| Date Prepared: 07/19/2016 | Batch #: 1 | BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | Blank Spike Recult | [C] | 275 | Date Prepared: 07/20/2016 | Batch #: 1 | BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | Blank Spike Result | [C] |
| ate Prepar | Batcl | BLAN | Spike Added | [B] | 250 | ate Prepar | Batcl | BLAN | Spike Added | [B] |
| Ď | ßKS | | Blank Sample Result | <u>द</u> | <10.0 | Ď | 3KS | | Blank Sample Result | <u></u> |
| 33505 | 22 Sample: 711120-1-BKS | 60 | Inorganic Anions by EPA 300/300.1 | | | | 64 Sample: 711178-1-BKS | ЪĴ | Inorganic Anions by EPA 300/300.1 | |
| Work Order #: 533505 Analyst: MNR | Lab Batch ID: 998322 | Units: mg/kg | Inorganic A | Analytes | Chloride | Analyst: MNR | Lab Batch ID: 998464 | Units: mg/kg | Inorganic A | Analytes |

20

90-110

4

107

268

250

103

257

250

<10.0

Analytes

Relative Percent Difference RPD = 200*[(C-F)/(C+F)] Biank 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

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| | For | m 3 - | Form 3 - MS / MSD Recoveries | SD R | ecove | eries | | | | | |
|-----------------------------------|----------------------------|----------------|--------------------------------|------------------------|----------------|---|----------------------|-------------|-------------------------|---------------------------|------|
| LABORATORIES | Project N | Vame:] | Project Name: NVANU Battery | attery | | | | | | | |
| Work Order # : 533505 | | | | | | Project ID: | : 701307.077.01 | .077.01 | | | |
| T.ab Batch ID: 998322 | QC-Sample ID: | : 533505-010 S | -010 S | Bai | Batch #: | 1 Matrix: | : Soil | | | | |
| | Nota Drangrad. | 07/19/2016 | 016 | An | Analvst: M | MNR | | | | | |
| Date Analyzed: 0//19/2010 | nare Treharen | | 040 | | | | | | | | |
| Reporting Units: mg/kg | | Z | ATRIX SPIK | E / MAT | ALX SPLE | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECUVER'S STUDY | | JVEKX 2 | AUDY | | |
| Inorganic Anions by EPA 300/300.1 | Parent Sample | Spike | Spiked Sample Result | Spiked Sample | Spike Added | Duplicate Spiked Sample Pecult (F) | Spiked Dup. %R | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Analytes | [A] | Added [B] | 5 | (Q) | [E] | [x] 10000 | <u></u> | | | | |
| Chloride | 41.5 | 250 | 283 | 67 | 250 | 280 | 95 | 1 | 80-120 | 20 | |
| Lab Batch ID: 998464 | QC- Sample ID: | : 533505-007 S | -007 S | Ba | Batch #: | 1 Matrix: | :: Soil | | | | |
| Date Analyzed: 07/20/2016 | Date Prepared: | : 07/20/2016 | 016 | An | Analyst: N | MNR | | | | | |
| Reporting Units: mg/kg | | X | IATRIX SPIK | E/MAT | RIX SPII | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | TE REC | VERY | STUDY | | |
| | Darent | | Chilred Cample | | | Duplicate | Spiked | | Control | Control | |
| Inorganic Anions by EPA 300/300.1 | Sample Desult | Spike | Result | Sample %B | Spike Added | Spiked Sample Result [F] | | RPD % | Limits %R | Limits %RPD | Flag |
| Analytes | [A] | [B] | 5 | ā | | | | | | | |
| Chloride | 717 | 1250 | 2040 | 106 | 1250 | 2010 | 103 | | 80-120 | 20 | |
| Lab Batch ID: 998464 | QC- Sample ID: | | 533513-006 S | Ba | Batch #: | 1 Matrix: | k: Soil | | | | |
| Date Analyzed: 07/21/2016 | Date Prepared: | L: 07/20/2016 | 016 | Чu | Analyst: N | MNR | | | | | |
| Reporting Units: mg/kg | | 2 | IATRIX SPIK | E/MAT | RIX SPI | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | TE REC | OVERY | STUDY | | |
| Inorganic Anions by EPA 300/300.1 | Parent Sample Result | Spike Added | Spiked Sample Result [C] | Spiked Sample %R | Spike Added | Duplicate Spiked Sample Result [F] | Spiked Dup. %R | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Analytes | [4] | [a] | | 2 | <u>a</u> | | 5 | | | | |
| Chloride | 5070 | 12500 | 17300 | 86 | 12500 | 17500 | 66 | | 80-120 | 50 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

Final 1.001

Page 9 of 13

| Particular Januaria Page L, or 2, 2 Oran, Trans (Scholar Januaria, Pada Januaria, P | On teo VF:0. S- Z | Preserved where applicable | Resilinguished by: 4 5 6 Antice: Structure of the summer | Received By: 5 | Date Time: Rece | | Relinquished by: |
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| CALEDRA AFCIRIES Fage | d By: | | | ria barros | 10:15 | | |
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| AP DID RATIO R LES Fage O Z Schadbard voluments Contrast, Christian (M2, Section 20) Lassend, Fonda (B2, Section 20) Kennetic 100 Normal (M2, Section 20) Normal (M2, Sectio | 0 50 LT J | | TRRP Level IV | Level (I) Std QC+ Forms | | 7 Day TAT | Next Day EMERGENCY |
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Page 10 of 13

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| CUSTODY |
| served where applicable |
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Page 11 of 13

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| | | | 7 | | | | | | | | Stafford, Texas (281-240-4200) |
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Page 12 of 13



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



| Client: Talon LPE | Acceptable Temperature | Range: 0 - 6 degC |
|---|--------------------------|-------------------------|
| Date/ Time Received: 07/14/2016 10:15:00 AM | Air and Metal samples Ac | ceptable Range: Ambient |
| Work Order #: 533505 | Temperature Measuring o | levice used:R8 |
| Sample Recei | pt 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? I samples for the analysis of HEM or HEM-SGT which are verif analysts. | | |
| #23 >10 for all samples preserved with NaAsO2+NaOH, ZnA | c+NaOH? N/A | |

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

Analyst:

PH Device/Lot#:

Date: 07/18/2016

Checklist completed by: Mary Alexis Negron Mary Negron Checklist reviewed by: Mary Norah Kelsey Brooks

Date: 07/18/2016

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,

Mins froah

Kelsey Brooks Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



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 |



CASE NARRATIVE



Client Name: Talon LPE Project Name: NVANU Battery

 Project ID:
 701307.077.01

 Work Order Number(s):
 533504

 Report Date:
 20-JUL-16

 Date Received:
 07/14/2016

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



David Adkins

Project Location:

Contact:

Certificate of Analysis Summary 533504 Talon LPE, Artesia, NM Project Name: NVANU Battery



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

| | 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' |
| Analysis kequested | Depth: | 0 ft | 5 ft | Û Ĥ | 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 | Extracted: | Jul-19-16 12:00 |
| SUB: E871002 | 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 |
| Chloride | | 41.6 10.0 | 21.0 10.0 | ND 10.0 | 15.6 10.0 | ND 10.0 | ND 10.0 |

This analytical report, and the entite data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoised for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Murs Moah Kelsey Brooks Project Manager

Page 5 of 12

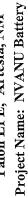


David Adkins

Project Location:

Contact:

Certificate of Analysis Summary 533504 Talon LPE, Artesia, NM



 Date Received in Lab:
 Thu Jul-14-16 10:15 am

 Report Date:
 20-JUL-16

 Project Manager:
 Kelsey Brooks

| | 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' |
| Analysis Requested | Depth: | 0 Ĥ | 5 ft | 0 ft | 5 ft | 0 Ĥ | 5 Ĥ |
| | 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 | 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 |
| SUB: E871002 | Analvzed: | 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 |
| Chloride | | ND 10.0 | ND 10.0 | ND 10.0 | 77.8 10.0 | ND 10.0 | ND 10.0 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratorics. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Murs Woah

Kelsey Brooks Project Manager

Final 1.000



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

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

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LOQ Limit of Quantitation

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 (210) 509-3335

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 (432) 563-1713

 (602) 437-0330
 (432) 563-1713

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|-----------------------------|
| |

BS / BSD Recoveries



Project Name: NVANU Battery

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

Final 1.000

| n |
|----------------------|
| XENCO Aboratories |
| |
| |
| \mathbf{x} |

Form 3 - MS / MSD Recoveries





| Work Order # : | 533504 | | | | | | Project ID: 701307.077.01 | : 701307 | .077.01 |
|-------------------|-----------------------------------|-----------------------------|--------------|---------------------------------------|-----------|--------------|--|----------------|--------------|
| Lab Batch ID: | 998322 | QC- Sample ID: 533505-010 S | 533505- | 010 S | Bat | Batch #: | 1 Matrix: Soil | c: Soil | |
| Date Analyzed: | 07/19/2016 | Date Prepared: 07/19/2016 | : 07/19/20 |)16 | An | Analyst: MNR | INR | | |
| Reporting Units: | mg/kg | | Μ | ATRIX SPIK | E / MAT | RIX SPI | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY S | TE RECO | VERY S |
| Inorga | Inorganic Anions by EPA 300/300.1 | Parent Sample | | Spiked Sample Spiked Result Sample | | Spike | Duplicate Spike Spiked Sample | Spiked Dup. | RPD |
| | Analytes | Result [A] | Added [B] | [C] | %R [D] | Added [E] | Result [F] | | % |
| Chloride | | 41.5 | 250 | 283 | 26 | 250 | 280 | 95 | 1 |
| Lab Batch ID: | 998344 | QC- Sample ID: 533504-009 S | : 533504- | S 600 | Ba | tch #: | Batch #: 1 Matrix: Soil | c: Soil | |
| Date Analyzed: | 07/19/2016 | Date Prepared: 07/19/2016 | : 07/19/20 | 016 | Ψu | Analyst: MNR | ANR | | |
| Donorting Tinite. | ma/ka | | N | ATRIX SPIK | E/MAT | RIX SPI | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY (| TE REC | DVERY |

Flag

Control Limits %RPD

Control Limits %R

STUDY

20

80-120

| Reporting Units: mg/kg | | M | ATRIX SPIKE | E / MATH | AIAS XIV | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | re reco | VERY S | TUDY | | |
|-----------------------------------|----------------------------|-------|---|------------------------|----------------|--|----------------------|----------|-------------------------|---------------------------|------|
| Inorganic Anions by EPA 300/300.1 | Parent Sample Result | Spike | Spiked Sample Sp Result San ICI % | Spiked Sample %R | Spike Added | Duplicate Spiked Sample Result [F] | Spiked Dup. %R | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Analytes | [A] | | Σ | ē | E | | 1 | | | | |
| 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.

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Final 1.000

| Stafford, Texas (281-240-4200) | Setting the Standard since 1990 | LABORATORIES |
|--------------------------------|---------------------------------|--------------|
| | | CHA |

IN OF CUSTODY

| Construction Construction< |
|---|
| Odesa, Twas (Ab, Ba, Stor) Lakend, Finda (B1, Sed, Stor) Lakend, Finda (B1, Sed, Stor) Internet. Free termania Internet. Secondaria |
| Odessa, Tosas (403-383-4800) Lakelard, Fiorda (83-342-380) Nerress, Georgia (774-44-380) Tampa, Fiorda (83-302-300) Tampa, Fiorda (83-302-300) Tampa, Fiorda (83-302-300) Nerress, Georgia (774-44-380) Tampa, Fiorda (83-30-200) Nerress, Georgia (774-44) Anhifted Information Nerress, Georgia (774-44) Nerress, Georgia (774-44) Nerresssander, Nerress, Georgia (774-44) < |
| ssa, Toxas (122-583-1800) Invest Corrected Lemps, Florida (1813-520-2000) Tampa, Florida (1813-520-2000) Tampa, Florida (1813-520-2000) Tampa, Florida (1813-520-2000) S 3 3 5 4 4 5 3 3 5 4 4 5 5 3 3 5 4 4 5 5 3 3 5 4 4 5 5 3 3 5 4 4 5 5 5 3 3 5 4 4 5 5 5 3 3 5 4 5 5 5 3 3 5 4 5 5 5 5 |
| Lakeland, Florida (863-646-8526) Tampa, Florida (863-646-8526) S = Soll/Sed/Solld S = Soll/Sed/Solld DW = Drinking Water DW = Drinking Water DW = Drinking Water DW = Drinking Water DW = Drinking Water W = Wipe O = Oll W = Wipe W = Wipe |
| |

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| subcontractors and assigns XENCO's standard terms and conditions of service unless previously neglotated under a fully executed client contract. | 5 Gustody Seal # Preserved where applicable On fice. YF:0 S 1000cr: Signature of this document and relinquishment of samples constitutes a valid purchase order from client composition variable 5 Custody Seal # Preserved where applicable On fice. YF:0 S 1000cr: Signature of this document and relinquishment of samples constitutes a valid purchase order from client composition variable 5 S S | A Received By: C Relinquished By: Date Time: Received By: 3 | Line 1/1/4/16 107. 5 Received By: | ambler SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DEI | TAT Starts Day received by Lab, if received by 3:00 nm | Level 3 (CLP Forms) | I Next. Day EMERGENCY I Day TAT I Level III Std QC+ Forms TRRP Level IV | S Day TAT Level II Std QC Level IV (Full Data Pkg /raw data) | a thine (Dualitiess days) | | | | | 0 7/12/2016 [2:30 s 1 | No. Field ID / Point of Collection | International Participation Pa | PO Number: | Taion/LPE | Phone No: Involce To: | re. Artesia, NM 88210 | Company Address: NVANU Battery 701307.077.01 | Cilent / Reporting Information | EES 4 dor outpy | nfo, Texas (210-509-3334) | Odessa, Texas (432-563-1800) | $\operatorname{Page} 2$ of 2 | |
|--|---|---|-----------------------------------|---|--|---------------------|---|--|----------------------------|--|--|--|--|-----------------------|------------------------------------|--|---------------------------------|----------------------------------|-----------------------|--|--|--------------------------------|-----------------|----------------------------------|----------------------------------|--------------------------------|--|
| e unless previously neglotiated under a fully executed client contract. | onice JF:0 Sr 2 Jorrected Temp: S- Z | | :elved By: | Tracking # | | | | | | | | | | | WV=WASTE WATE | 0 = 0 | OW =Ocean/Sea Water W = Wipe | SW = Strace water SL = Sludge | P = Product | GW = Ground Water DW = Drinking Water | | n Matrix Codes | HOG 665 4000 | 0) Tampa, Fiorida (813-620-2000) | Lakeland, Florida (863-646-8526) | | |

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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 | Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Temperature Measuring device used:R8 | | | | | | | | | |
|---|---|---------------------|--|--|--|--|--|--|--|--|
| Work Order #: 533504 | Tomporatore measured. | | | | | | | | | |
| Sample Recei | pt 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? samples for the analysis of HEM or HEM-SGT which are veri | Except for N/A | | | | | | | | | |
| analysts. #23 >10 for all samples preserved with NaAsO2+NaOH, Zn. | Ac+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
 Date: 07/18/2016

 Checklist reviewed by:
 Mary Moah
 Date: 07/18/2016

 Kelsey Brooks
 Date: 07/18/2016