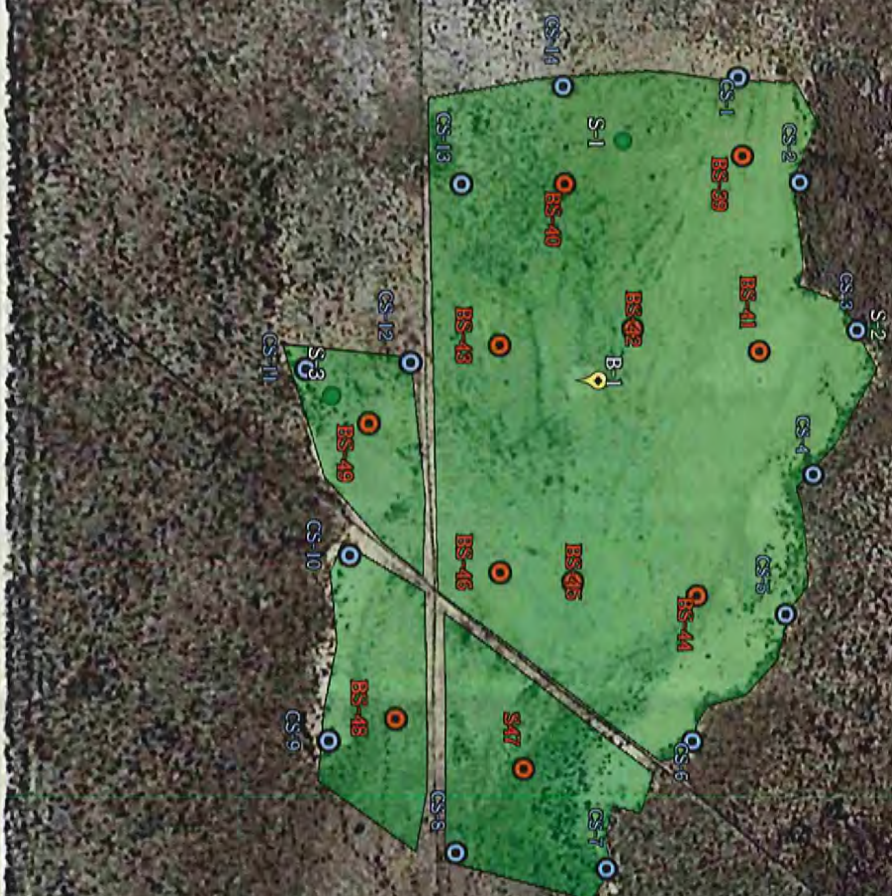
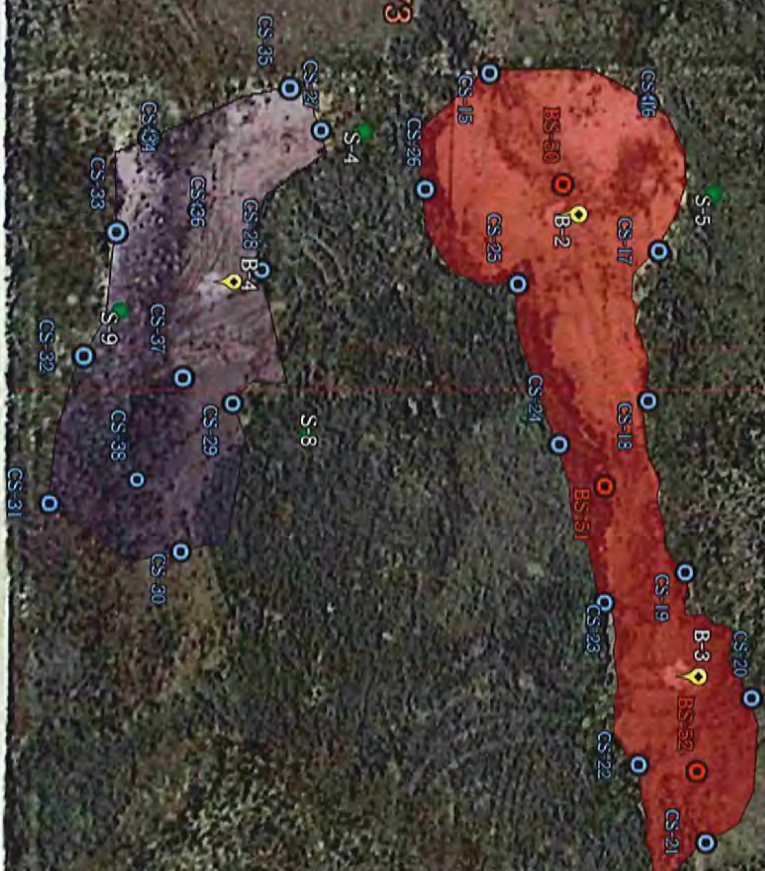


NVANU #73

Lime rock Resources



NVANU #73



Legend

- 1.5'-2.5' Top of Rock w/liner
- 2' excavation
- 2.5'-3.5' Top of Rock w/liner
- BS = Bottom Sample showing chlorides under liner
- CS = Confirmation Sidewall Sample every 50'

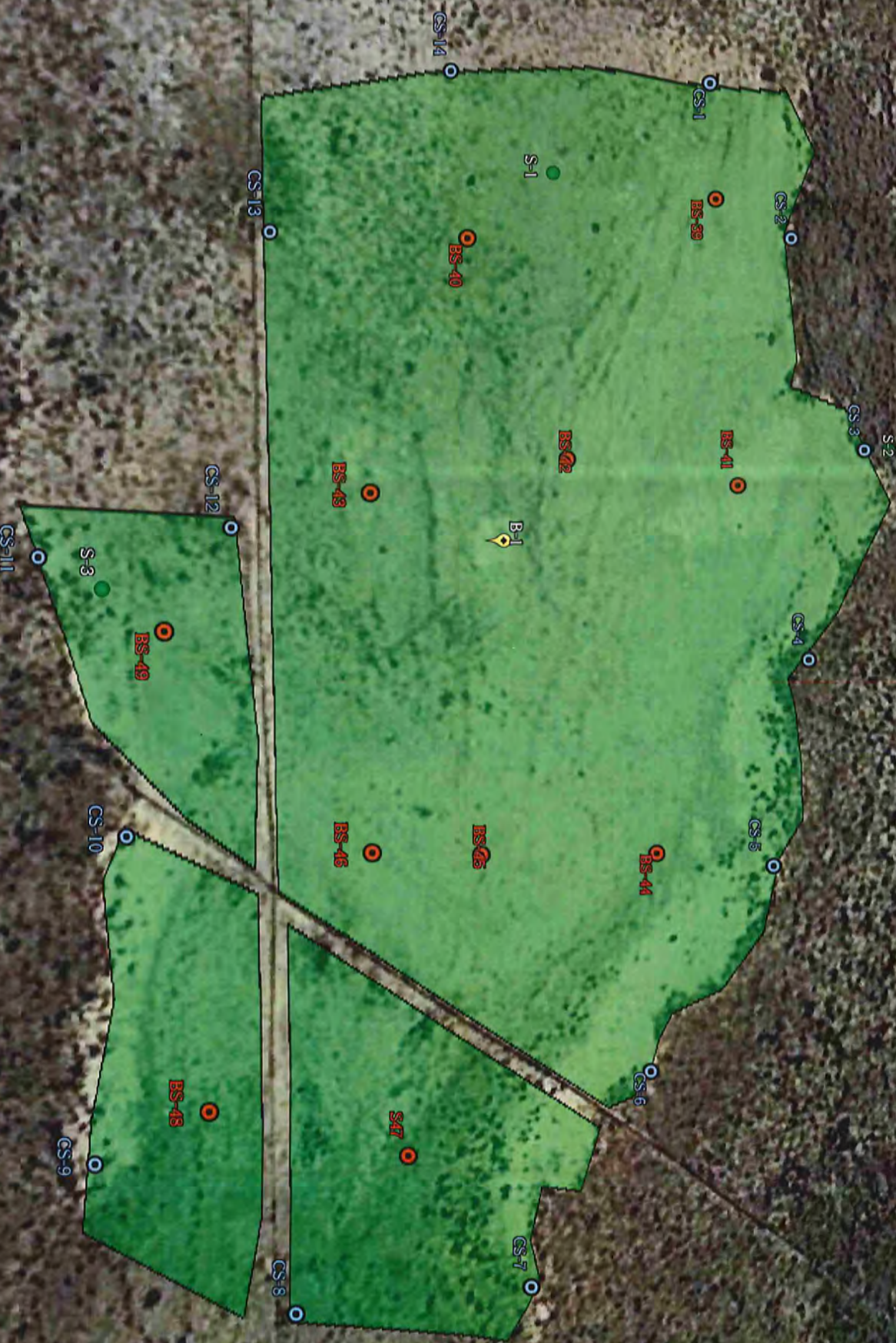


NVANU #73

Lime rock Resources

Legend

- 1.5'-2.5' Top of Rock w/liner
- BS = Bottom Sample showing chlorides under liner
- CS = Confirmation Sidewall Sample every 50'

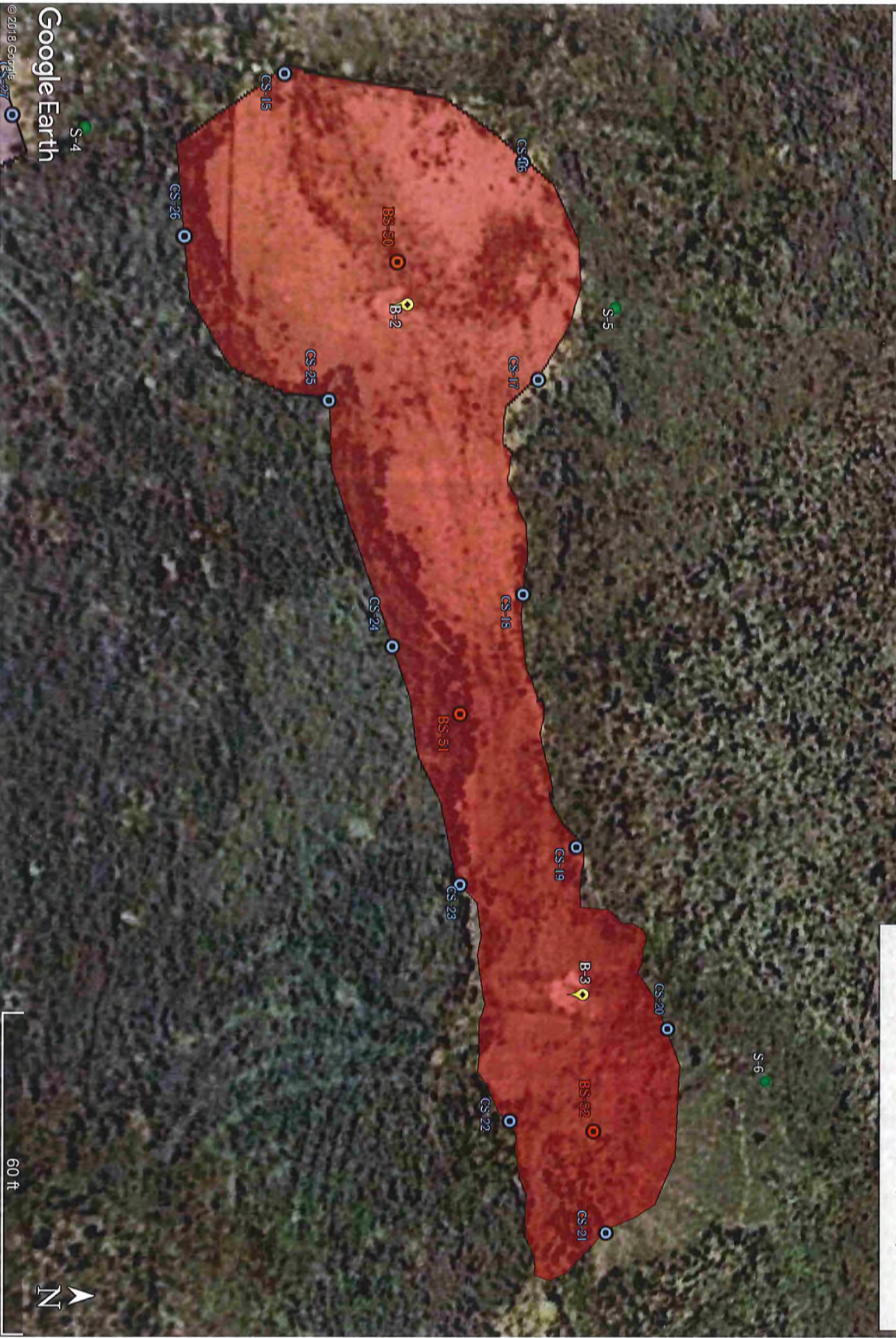


NVANU #73

Lime rock Resources

Legend

- 2.5'-3.5' Top of Rock w/liner
- BS = Bottom Sample showing chlorides under liner
- CS = Confirmation Sidewall Sample every 50'



Google Earth

© 2018 Google

NVANU #73

Lime rock Resources

S-4

CS-27

CS-35

CS-136

CS-28

B-4

CS-33

S-9

CS-32

S-8

CS-29



CS-37

CS-38

CS-31

CS-30

Legend

-  2' excavation
-  CS = Confirmation Sidewall Sample every 50'

NVANU #73 -- Sample Locations & GPS

Sample ID	Depth (Feet)	Chlorides	GPS Coordinates	Sample ID	Depth (Feet)	Chlorides	GPS Coordinates
CS-1	1.50	192	32.866338 -103.515695	CS-25	2.00	416	32.866142 -103.514399
CS-2	1.50	48	32.866397 -103.515598	CS-26	2.00	96	32.866061 -103.514496
CS-3	1.50	<16.0	32.866454 -103.515453	CS-27	1.00	16	32.865969 -103.514556
CS-4	1.50	496	32.866412 -103.515300	CS-28	2.00	544	32.865925 -103.514426
CS-5	1.50	400	32.866386 -103.515154	CS-29	2.00	496	32.865902 -103.514302
CS-6	1.50	32	32.866298 -103.515020	CS-30	2.00	272	32.865861 -103.514167
CS-7	1.50	32	32.866219 -103.514889	CS-31	2.00	224	32.865758 -103.514223
CS-8	2.00	128	32.866080 -103.514899	CS-32	2.00	64	32.865783 -103.514356
CS-9	1.50	48	32.865976 -103.515006	CS-33	2.00	144	32.865817 -103.51446
CS-10	1.50	176	32.865992 -103.515192	CS-34	2.00	400	32.865834 -103.514555
CS-11	1.50	80	32.865949 -103.515351	CS-35	2.00	64	32.865947 -103.514597
CS-12	1.50	64	32.866045 -103.515373	CS-36	2.00	448	32.865873 -103.514485
CS-13	1.50	272	32.866066 -103.515552	CS-37	2.00	256	32.865862 -103.514329
CS-14	1.50	16	32.866170 -103.515669	CS-38	2.00	400	32.865826 -103.514238
CS-15	2.00	112	32.866115 -103.514607				
CS-16	2.00	416	32.866258 -103.514573				
CS-17	2.00	16	32.866269 -103.514424				
CS-18	2.00	512	32.866260 -103.514274				
CS-19	2.00	240	32.866296 -103.514095				
CS-20	2.00	80	32.866358 -103.513960				
CS-21	2.00	48	32.866315 -103.513820				
CS-22	2.00	400	32.866252 -103.513908				
CS-23	2.00	32	32.866222 -103.514074				
CS-24	2.00	32	32.866179 -103.514237				

Sample ID	Depth (Feet)	Chlorides	GPS Coordinates
BS-39	1.50	3160	32.866343 -103.515617
BS-40	1.50	2080	32.866180 -103.515565
BS-41	1.50	4560	32.866397 -103.515598
BS-42	1.50	6160	32.866359 -103.515421
BS-43	1.50	2480	32.866242 -103.515430
BS-44	1.50	1880	32.866122 -103.515399
BS-45	1.50	4720	32.866187 -103.515172
BS-46	1.50	3560	32.866122 -103.515176
BS-47	1.50	1800	32.866144 -103.514985
BS-48	1.50	976	32.866033 -103.515029
BS-49	1.50	1100	32.866010 -103.515310
BS-50	2.00	5280	32.866182 -103.514495
BS-51	2.00	1230	32.866221 -103.514191
BS-52	2.00	13800	32.866307 -103.513893



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

December 27, 2017

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #73

Enclosed are the results of analyses for samples received by the laboratory on 12/22/17 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/22/2017	Sampling Date:	12/20/2017
Reported:	12/27/2017	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: CS-1 @ 1.5' (H703589-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/27/2017	ND	432	108	400	3.64	

Sample ID: CS-2 @ 1.5' (H703589-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/27/2017	ND	432	108	400	3.64	

Sample ID: CS-3 @ 1.5' (H703589-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/27/2017	ND	432	108	400	3.64	

Sample ID: CS-4 @ 1.5' (H703589-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/27/2017	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/22/2017	Sampling Date:	12/20/2017
Reported:	12/27/2017	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: CS-5 @ 1.5' (H703589-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/27/2017	ND	432	108	400	3.64		

Sample ID: CS-6 @ 1.5' (H703589-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/27/2017	ND	432	108	400	3.64		

Sample ID: CS-7 @ 1.5' (H703589-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/27/2017	ND	432	108	400	3.64		

Sample ID: CS-8 @ 1.5' (H703589-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	12/27/2017	ND	432	108	400	3.64		

Sample ID: CS-9 @ 1.5' (H703589-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/27/2017	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/22/2017	Sampling Date:	12/20/2017
Reported:	12/27/2017	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: CS-10 @ 1.5' (H703589-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-11 @ 1.5' (H703589-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/27/2017	ND	432	108	400	0.00	

Sample ID: CS-12 @ 1.5' (H703589-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-13 @ 1.5' (H703589-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/27/2017	ND	432	108	400	0.00	

Sample ID: CS-14 @ 1.5' (H703589-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/27/2017	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/22/2017	Sampling Date:	12/20/2017
Reported:	12/27/2017	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: CS-15 @ 2.0' (H703589-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-17 @ 2.0' (H703589-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/27/2017	ND	432	108	400	0.00	

Sample ID: CS-18 @ 2.0' (H703589-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-19 @ 2.0' (H703589-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/27/2017	ND	432	108	400	0.00	

Sample ID: CS-20 @ 2.0' (H703589-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/27/2017	ND	432	108	400	0.00		

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Analytical Results For:

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

Received:	12/22/2017	Sampling Date:	12/20/2017
Reported:	12/27/2017	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: CS-21 @ 2.0' (H703589-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-22 @ 2.0' (H703589-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/27/2017	ND	432	108	400	0.00	

Sample ID: CS-23 @ 2.0' (H703589-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-24 @ 2.0' (H703589-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-25 @ 2.0' (H703589-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	12/27/2017	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/22/2017	Sampling Date:	12/20/2017
Reported:	12/27/2017	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: CS-26 @ 2.0' (H703589-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/27/2017	ND	432	108	400	0.00		

Sample ID: CS-27 @ 1.0' (H703589-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/27/2017	ND	432	108	400	0.00	

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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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

ANALYSIS REQUEST

BILL TO

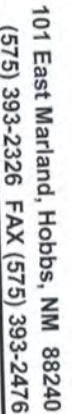
Company Name: Talon/LPE		P.O. #:								
Project Manager: Kimberly M. Wilson		Company:								
Address: 408 W Texas Ave.		Attn:								
City: Artesia		Address:								
Phone #: (575) 746-8768		City:								
Fax #: (575) 746-8905		State:								
Project #: 701307.086.01		Zip:								
Project Name: NVANU #73		Phone #:								
Project Location: G-1-17S-34E Lea County		Fax #:								
Sampler Name: Kimberly Wilson		PRESERV.								
FOR LAB USE ONLY		SAMPLING								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TOTAL CHLORIDES
#703589	CS - 1 @ 1.5'	G	1	/	/	/	/	12/20/2017	11:45 AM	/
1	CS - 2 @ 1.5'	G	1	/	/	/	/	12/20/2017	12:45 PM	/
2	CS - 3 @ 1.5'	G	1	/	/	/	/	12/20/2017	13:10 PM	/
3	CS - 4 @ 1.5'	G	1	/	/	/	/	12/20/2017	12:00 PM	/
4	CS - 5 @ 1.5'	G	1	/	/	/	/	12/20/2017	12:40 PM	/
5	CS - 6 @ 1.5'	G	1	/	/	/	/	12/20/2017	12:10 PM	/
6	CS - 7 @ 1.5'	G	1	/	/	/	/	12/20/2017	12:20 PM	/
7	CS - 8 @ 1.5'	G	1	/	/	/	/	12/20/2017	12:55 PM	/
8	CS - 9 @ 1.5'	G	1	/	/	/	/	12/20/2017	13:00 PM	/
9	CS - 10 @ 1.5'	G	1	/	/	/	/	12/20/2017	13:05 PM	/

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the service. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Kimberly M. Wilson	Date: 12-22-17	Received By: Paul Dwyer	Date: 12-22-17
Delivered By: (Circle One) 1.8°C	Time: 1320	Sample Condition: Cool Intact	CHECKED BY: (Initials) Kish 11
Sampler - UPS - Bus - Other: 1.45 corrected		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

REMARKS:

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



Page 2 of 3

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:									
Project Manager: Kimberly M. Wilson		Company:									
Address: 408 W Texas Ave.		Attn:									
City: Artesia		Address:									
State: NM Zip 88210		City:									
Phone #: (575) 746-8768 Fax #: (575) 746-8905		State: Zip:									
Project #: 701307.086.01		Project Owner: Lime Rock									
Project Name: NVANU #73		Phone #:									
Project Location: G-1-17S-34E Lea County		Fax #:									
Sampler Name: Kimberly Wilson		PRESERV									
FOR LAB USE ONLY		SAMPLING									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TOTAL CHLORIDES	
21	CS - 22 @ 2.0'	G	1	GROUNDWATER	/	/	/	12/20/2017	15:11 PM	/	
22	CS - 23 @ 2.0'	G	1	WASTEWATER	/	/	/	12/20/2017	16:55 PM	/	
23	CS - 24 @ 2.0'	G	1	SOIL	/	/	/	12/20/2017	17:00 PM	/	
24	CS - 25 @ 2.0'	G	1	OIL	/	/	/	12/20/2017	15:35 PM	/	
25	CS - 26 @ 2.0'	G	1	SLUDGE	/	/	/	12/20/2017	15:40 PM	/	
26	CS - 27 @ 1.0'	G	1	OTHER :	/	/	/	12/20/2017	15:45 PM	/	
Reinquisitioned By: _____		Date: 12/22/17		Received By: _____		Date: 12/22/17		Time: 15:20		Remarks: _____	
Delivered By: (Circle One) _____		Sample Condition		CHECKED BY: _____		Cool Intact		Phone Result: _____		Fax Result: _____	
Sampler - UPS - Bus - Other: 1.45°C correct		Cool Intact		Cool Intact		Cool Intact		Cool Intact		Cool Intact	

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

January 17, 2018

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 01/16/18 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Hope S. Moreno For Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/16/2018	Sampling Date:	01/16/2018
Reported:	01/17/2018	Sampling Type:	Soil
Project Name:	NVANU	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: S-8 2' (H800176-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-15 2' (H800176-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-25 2' (H800176-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-28 2' (H800176-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	01/17/2018	ND	416	104	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/16/2018
 Reported: 01/17/2018
 Project Name: NVANU
 Project Number: 701307.086.01
 Project Location: LEA COUNTY, NM

 Sampling Date: 01/16/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-29 2' (H800176-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-30 2' (H800176-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-31 2' (H800176-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-32 2' (H800176-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/17/2018	ND	416	104	400	7.41	


Sample ID: S-33 2' (H800176-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/17/2018	ND	416	104	400	7.41	

Cardinal Laboratories

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/16/2018
Reported: 01/17/2018
Project Name: NVANU
Project Number: 701307.086.01
Project Location: LEA COUNTY, NM

Sampling Date: 01/16/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-34 2' (H800176-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	01/17/2018	ND	416	104	400	7.41		

Sample ID: S-35 2' (H800176-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-36 2' (H800176-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	01/17/2018	ND	416	104	400	7.41		

Sample ID: S-37 2' (H800176-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/17/2018	ND	416	104	400	7.41	

Sample ID: S-38 2' (H800176-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	01/17/2018	ND	416	104	400	7.41		

Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno For 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

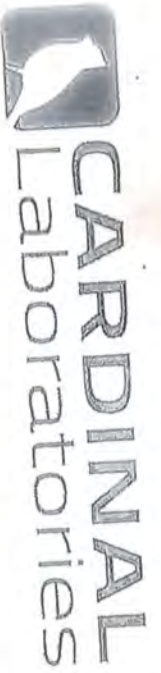
Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager



1042
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: Talon/PE

Project Manager: D. Adkins

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 701307.086.01

Project Name: N/A

Project Location: Lea County

Sample Name: 3.4

FOR LAB USE ONLY

P.O. #:

Company: Talon/PE

Attn:

Address:

City:

State:

Phone #:

Fax #:

Zip:

Matrix

Preserv

Sampling

DATE

TIME

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

Sample Condition

Geol Intact

Yes ☒ No ☐

Checked By: (Initials)

70-475

Delivered By: (Circle One)

Date:

Time:

1/6/18

1535

Relinquished By:

Relinquished By:

Received By:

Received By:

1/6/18

1535

Relinquished By:

Relinquished By:

Phone Result:

Yes ☐ No ☐

Phone Result:

Yes ☐ No ☐

Phone Result:

Yes ☐ No ☐

Phone Result:

Yes ☐ No ☐

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Phone Result:

Yes ☐ No ☐

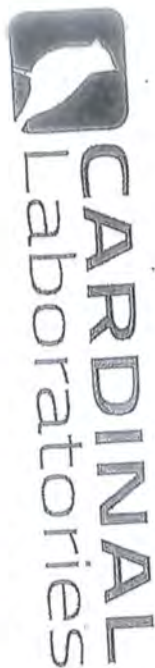
Phone Result:

Yes ☐ No ☐

Phone Result:

Yes ☐ No ☐

Phone Result:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

BILL TO

Company Name: Talon/LPE

Project Manager: D. Adkins

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

State: NM Zip: 88210

Project #: 301307.086.01 Project Owner: Lime Rock

Project Name: N/A

Project Location: hell County

Sample Name: S. land

FOR LAB USE ONLY

Lab I.D. Sample I.D.

(G)RAB OR (C)OMP.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER :

MATRIX

PRESERV

SAMPLING

DATE TIME

11	5:35	2	6	1	7-16-19	1430	✓	Chlorides
13	5:36	2	1	1	1433	1436	1	
14	5:38	2	1	1	1439	1439	1	

PREREGISTERED. Liability and Insurance. Cardinal's liability and insurance coverage is limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits resulting from, or otherwise arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated causes or otherwise.

Relinquished By:

Relinquished By:

Date:

Time:

Received By:

Received By:

Sample Condition

CHECKED BY:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

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

Rush



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

January 22, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #73

Enclosed are the results of analyses for samples received by the laboratory on 01/19/18 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/19/2018	Sampling Date:	01/19/2018
Reported:	01/22/2018	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: S-15 2' (H800220-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/22/2018	ND	416	104	400	3.77	

Sample ID: S-35 2' (H800220-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/22/2018	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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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

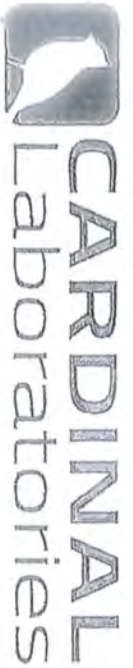
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1061

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

Company Name: Talon/LPE

Project Manager: J. Adkins

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 101307.086.01

Project Name: NVAD #73

Project Location: McCourt

Sampler Name: J. Ward

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H80028

5-15 2'

5-35 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

6-1 2'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

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Chlorides

Relinquished By:

Relinquished By:

1-19-18

1-19-18

1-19-18

1-19-18

1-19-18

1-19-18

1-19-18

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Time:

Date:

Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

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Date:

Time:

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Time:

Date:

Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

Time:

Date:

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Date:

Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

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Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

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Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

Time:

Date:

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Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

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Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

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Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Phone Result:

Fax Result:

Yes

No

Add'l Phone #:

Add'l Fax #:

REMARKS:

REMARKS:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Phone Result:

Fax Result:

Yes

No

Add'l Phone #:



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

February 02, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #73

Enclosed are the results of analyses for samples received by the laboratory on 01/30/18 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/30/2018	Sampling Date:	01/30/2018
Reported:	02/02/2018	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: S - 39 (H800320-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 40 (H800320-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 41 (H800320-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 42 (H800320-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	01/31/2018	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/30/2018	Sampling Date:	01/30/2018
Reported:	02/02/2018	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: S - 43 (H800320-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 44 (H800320-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 45 (H800320-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 46 (H800320-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 47 (H800320-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	01/31/2018	ND	432	108	400	3.77	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/30/2018
 Reported: 02/02/2018
 Project Name: NVANU #73
 Project Number: 701307.086.01
 Project Location: G-1-17S-34S LEA COUNTY, NM

 Sampling Date: 01/30/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 48 (H800320-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 49 (H800320-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 50 (H800320-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 51 (H800320-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	01/31/2018	ND	432	108	400	3.77	

Sample ID: S - 52 (H800320-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13800	16.0	01/31/2018	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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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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Celey D. Keene, Lab Director/Quality Manager

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

BILL TO

ANALYSIS REQUEST

Company Name: <u>Talon LPE</u>		P.O. #:
Project Manager: <u>D. Adkins</u>		Company: <u>Talon LPE</u>
Address: <u>4106 W. Texas Ave</u>		Attn:
City: <u>Alameda</u>	State: <u>NM</u> Zip: <u>88210</u>	Address:
Phone #: <u>575-446-8968</u>	Fax #: <u>575-446-8905</u>	City:
Project #: <u>701307-086.01</u>	Project Owner: <u>Line Rock</u>	State:
Project Name: <u>NVAHL 43</u>	Phone #:	Zip:
Project Location: <u>Los Comitos</u>	Fax #:	
Sampler Name: <u>J. Koval</u>		
FOR LAB USE ONLY		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER					
				WASTEWATER					
				SOIL					
				OIL					
				SLUDGE					
				OTHER:					
				ACID/BASE:					
				ICE / COOL					
				OTHER:					
<u>H800320</u>	<u>5-39</u>	<u>6</u>	<u>1</u>				<u>10-18</u>	<u>1138</u>	<u>Chlorides</u>
<u>1</u>	<u>5-40</u>						<u>1146</u>		
<u>2</u>	<u>5-41</u>						<u>1149</u>		
<u>3</u>	<u>5-42</u>						<u>1153</u>		
<u>4</u>	<u>5-43</u>						<u>1155</u>		
<u>5</u>	<u>5-44</u>						<u>1200</u>		
<u>6</u>	<u>5-45</u>						<u>1203</u>		
<u>7</u>	<u>5-46</u>						<u>1206</u>		
<u>8</u>	<u>5-47</u>						<u>1210</u>		
<u>9</u>	<u>5-48</u>						<u>1213</u>		

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Relinquished By: [Signature] Date: 1-30-18 Time: 1340

Received By: [Signature]

Delivered By: (Circle One) Cool ☒ Yes ☐ No

Sampler - UPS - Bus - Other: Consolidated - 0456

CHECKED BY: [Signature] (Initials) 10-175

REMARKS:

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon LPE
 Project Manager: A. Adkins
 Address: 4108 W. Texas Ave
 City: Alameda State: NM Zip: 88210
 Phone #: 575-446-8468 Fax #: 575-446-8905
 Project #: 701301.086.01 Project Owner: lime rock
 Project Name: WADA 73
 Project Location: hee quarry
 Sampler Name: T. hewell
 P.O. #: _____
 Company: Talon LPE
 Attn: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

FOR LAB USE ONLY

Lab I.D. Sample I.D.

480320

11 5.49
12 5.50
13 5.51
14 5.52

(G)RAB OR (C)OMP. # CONTAINERS
 GROUNDWATER
 WASTEWATER
 SOIL
 OIL
 SLUDGE
 OTHER :
 ACID/BASE:
 ICE / COOL
 OTHER :

DATE TIME

1-30-18 1246

1222
1229
1232

Chlorides

Relinquished By: T. hewell
 Relinquished By: _____
 Date: 1-30-18
 Time: 1540

Received By: _____

Date: _____

Time: _____

Delivered By: (Circle One) -0.92

Sampler - UPS - Bus - Other: Unlabeled -0.105

Sample Condition
 Cool ☒ Intact ☒
 Yes ☒ No ☒

CHECKED BY: _____
 (Initials)

70.445

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



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

January 31, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NVANU #73

Enclosed are the results of analyses for samples received by the laboratory on 01/29/18 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/29/2018	Sampling Date:	01/25/2018
Reported:	01/31/2018	Sampling Type:	Soil
Project Name:	NVANU #73	Sampling Condition:	Cool & Intact
Project Number:	701307.086.01	Sample Received By:	Tamara Oldaker
Project Location:	G-1-17S-34S LEA COUNTY, NM		

Sample ID: S-16 2' (H800301-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/30/2018	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

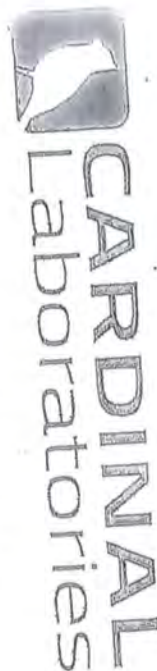
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



1061
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:
Project Manager: D. Adkins		Company: Talon/LPE
Address: 408 W. Texas Ave.		Attn:
City: Artesia		Address:
State: NM zip: 88210		City:
Phone #: 575-746-8768		State:
Fax #: 575-746-8905		Zip:
Project #: 101307086.01		Project Owner: Linc Rock
Project Name: MIAWA #3		Phone #:
Project Location: Lea County		Fax #:
Sampler Name: J. Baird		
FOR LAB USE ONLY		
Lab I.D.	Sample I.D.	(S)RAB OR (C)OMP.
1100301	5-16-81	# CONTAINERS
		GROUNDWATER
		WASTEWATER
		SOIL
		OIL
		SLUDGE
		OTHER:
		ACID/BASE:
		ICE/COOL
		OTHER:
		DATE
		TIME
		Chlorides
Relinquished By: J. Baird		
Date: 5-16-81		
Time: 11:00		
Received By: J. Baird		
Date: 5-16-81		
Time: 8:00		
Delivered By: (Circle One) 1.7		
Sampler - UPS - Bus - Other: 1952 correct		
Sample Condition		CHECKED BY:
Circled		(Initials)
Yes		Bus #75
No		
Fax Result		
Yes		
No		
Add'l Phone #:		
Add'l Fax #:		