

January 31, 2017

MIKE STUBBLEFIELD

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: ASAU 149 TRUNK LINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/25/17 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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:**

 R T HICKS CONSULTANTS  
 MIKE STUBBLEFIELD  
 901 RIO GRANDE BLVD SUITE F-142  
 ALBUQUERQUE NM, 87104  
 Fax To: NONE

Received:	01/25/2017	Sampling Date:	01/24/2017
Reported:	01/31/2017	Sampling Type:	Soil
Project Name:	ASAU 149 TRUNK LINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	30.015.00204	Sample Received By:	Celey D. Keene
Project Location:	14-T18S-R26E, 32.74271-104.34844		

**Sample ID: BH-1 15' BGS (H700182-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/26/2017	ND	432	108	400	0.00	

**Sample ID: BH-1 20' BGS (H700182-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	01/26/2017	ND	432	108	400	0.00	

**Sample ID: BH-1 25' BGS (H700182-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/26/2017	ND	416	104	400	3.77	

**Sample ID: BH-1 30' BGS (H700182-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/26/2017	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

R T HICKS CONSULTANTS  
MIKE STUBBLEFIELD  
901 RIO GRANDE BLVD SUITE F-142  
ALBUQUERQUE NM, 87104  
Fax To: NONE

Received:	01/25/2017	Sampling Date:	01/24/2017
Reported:	01/31/2017	Sampling Type:	Soil
Project Name:	ASAU 149 TRUNK LINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	30.015.00204	Sample Received By:	Celey D. Keene
Project Location:	14-T18S-R26E, 32.74271-104.34844		

**Sample ID: BH-1 35' BGS (H700182-05)**

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	01/27/2017	ND	448	112	400	3.64		

**Sample ID: BH-1 40' BGS (H700182-06)**

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	01/31/2017	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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> R.T. Hicks Consultants <b>Project Manager:</b> Mike Stubbelfield <b>Address:</b> 2411 S. 13th Street <b>City:</b> Artesia <b>State:</b> NM <b>Zip:</b> 88210 <b>Phone #:</b> 575-365-5034 <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> ASPU 149 Trunk line release <b>Project Location:</b> 14.7181 26E <b>Sample Name:</b> Mde Stubbelfield				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Lime Rock Res. <b>Attn:</b> Mike Barrett <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>							
<b>FOR LAB USE ONLY</b>				<b>ANALYSIS REQUEST</b>							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			DATE	TIME	Total Chloride	Cl added 1/27/17	Cl added 1/27/17
				GROUNDWATER	WASTEWATER	SOIL					
#700182	BH-1 15' 694						1/24/17	10:44 A			
	BH-1 20' 694						1/24/17	11:00 A			
	BH-1 25' 694						1/24/17	11:30 A			
	BH-1 30' 694						1/24/17	12:08 P			
	BH-1 35' 694						1/24/17	12:41 P			
	BH-1 40' 694						1/24/17	1:38 P			
Relinquished By: <u>Mde Stubbelfield</u> Date: <u>1/25/2017</u> Time: <u>2:10</u> Received By: <u>Elkhene</u>											
Delivered By: (Circle One) <u>UPS</u> <u>2440</u> Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <u>CSK #75</u>											
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: <u>Push</u>											