

November 08, 2016

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 11/04/16 16:15.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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: 11/04/2016 Sampling Date: 11/02/2016

Reported: 11/08/2016 Sampling Type: Soil

Project Name: ASAU 149 TRUNK LINE RELEASE Sampling Condition: Cool & Intact
Project Number: 30.015.00204 Sample Received By: Jodi Henson

Project Location: UTO SEC. 14-T18S-R26E

## Sample ID: S-12 B-15' S. DCP P/L (H602501-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/07/2016	ND	400	100	400	0.00	

### Sample ID: S-13 EAST WALL 11' BGS (H602501-02)

Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
11/07/2016	ND	2.39	120	2.00	0.324	
11/07/2016	ND	2.43	122	2.00	0.577	
11/07/2016	ND	2.30	115	2.00	0.415	
11/07/2016	ND	6.90	115	6.00	0.505	
11/07/2016	ND					
	11/07/2016 11/07/2016 11/07/2016 11/07/2016	11/07/2016 ND 11/07/2016 ND 11/07/2016 ND 11/07/2016 ND	11/07/2016 ND 2.39 11/07/2016 ND 2.43 11/07/2016 ND 2.30 11/07/2016 ND 6.90	11/07/2016 ND 2.39 120 11/07/2016 ND 2.43 122 11/07/2016 ND 2.30 115 11/07/2016 ND 6.90 115	11/07/2016 ND 2.39 120 2.00 11/07/2016 ND 2.43 122 2.00 11/07/2016 ND 2.30 115 2.00 11/07/2016 ND 6.90 115 6.00	11/07/2016 ND 2.39 120 2.00 0.324 11/07/2016 ND 2.43 122 2.00 0.577 11/07/2016 ND 2.30 115 2.00 0.415 11/07/2016 ND 6.90 115 6.00 0.505

Surrogate: 4-Bromofluorobenzene (PID 109 % 73.6-140

Surrogate: 4-Bromofluorobenzene (PID	109	% /3.6-14	U						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/07/2016	ND	400	100	400	0.00	
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	11/05/2016	ND	194	97.1	200	0.233	
DRO >C10-C28	<10.0	10.0	11/05/2016	ND	195	97.5	200	0.433	

Surrogate: 1-Chlorooctane 99.7 % 35-147
Surrogate: 1-Chlorooctadecane 83.9 % 28-171

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

400

0.00



# Analytical Results For:

R T HICKS CONSULTANTS MIKE STUBBLEFIELD 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 11/04/2016 Sampling Date: 11/02/2016

Reported: 11/08/2016 Sampling Type: Soil

Project Name: ASAU 149 TRUNK LINE RELEASE Sampling Condition: Cool & Intact
Project Number: 30.015.00204 Sample Received By: Jodi Henson

Project Location: UTO SEC. 14-T18S-R26E

### Sample ID: S-14 B. 14' N DCP P/L (H602501-03)

Chloride, SM4500CI-B	, , mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	11/07/2016	ND	400	100	400	0.00	
Sample ID: S-15 B. 14' N	. DCP P/L (H6	02501-04)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

# Sample ID: S-16 B 15' N. DCP P/L (H602501-05)

1680

16.0

Chloride

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/07/2016	ND	400	100	400	0.00	

ND

400

100

11/07/2016

### Sample ID: S-17 NORTH WALL (H602501-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/07/2016	ND	400	100	400	0.00	

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Celey D. Keine



### **Notes and Definitions**

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

QR-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.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: A.T. Hicks Consultants  Project Manager: mike Stubblefield  Address: 2411 S. 13th Strict  City: Artecia state: NA Zip: 83.210 Attn: mike Ballato  Project Name: ASAU 149 Trunk I mice releasiv  Project Name: Mike Stubblefield  Project Name: Na
P.O. **:  Company: Line Roll Res- Attn: Pike Ballet  Address:  City:  State: Zip:  Phone *:  PRESERV. SAMPLING  OTHER BOOK  PRESERV. SAMPLING  IIIZ/II Z:08  IIZ/II Z:08
TOTAL CHLOINES  BTEX 80208

2.6°C

Sample Condition
Cool Intact
Ves Ves
No No

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