

September 22, 2016

RANDALL HICKS

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: ASAU TRUNK LINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/21/16 12:30.

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.

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
RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 1 - 12' DEEP (H602118-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/21/2016	ND	2.24	112	2.00	0.900	
Toluene*	<0.050	0.050	09/21/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	<0.050	0.050	09/21/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	<0.150	0.150	09/21/2016	ND	6.68	111	6.00	1.74	
Total BTEX	<0.300	0.300	09/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	14.7	10.0	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	10.2	10.0	09/21/2016	ND					

Surrogate: 1-Chlorooctane 78.7 % 35-147

Surrogate: 1-Chlorooctadecane 90.1 % 28-171

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 2 - 15' DEEP (H602118-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	25.3	2.00	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	133	2.00	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	103	2.00	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	242	6.00	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTEX	503	12.0	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

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	09/22/2016	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2750	100	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	8130	100	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	1020	100	09/21/2016	ND					

Surrogate: 1-Chlorooctane 179 % 35-147

Surrogate: 1-Chlorooctadecane 210 % 28-171

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 3 - N SIDEWALL 6' BGS (H602118-03)

BTX 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	09/21/2016	ND	2.24	112	2.00	0.900	
Toluene*	0.060	0.050	09/21/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	0.067	0.050	09/21/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	0.163	0.150	09/21/2016	ND	6.68	111	6.00	1.74	
Total BTX	<0.300	0.300	09/21/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	<10.0	10.0	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	<10.0	10.0	09/21/2016	ND					

Surrogate: 1-Chlorooctane 72.7 % 35-147

Surrogate: 1-Chlorooctadecane 82.0 % 28-171

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 4 - 15' (H602118-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	75.7	2.00	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	247	2.00	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	149	2.00	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	341	6.00	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTEX	812	12.0	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140

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	09/22/2016	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5310	100	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	11000	100	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	1440	100	09/21/2016	ND					

Surrogate: 1-Chlorooctane 200 % 35-147

Surrogate: 1-Chlorooctadecane 286 % 28-171

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 5 - E SIDEWALL 6' (H602118-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.104	0.050	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	0.170	0.050	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	0.072	0.050	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	<0.150	0.150	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTX	0.346	0.300	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	<10.0	10.0	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	<10.0	10.0	09/21/2016	ND					

Surrogate: 1-Chlorooctane 75.5 % 35-147

Surrogate: 1-Chlorooctadecane 88.0 % 28-171

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 6 - 5' BGS @ LEAK (H602118-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	192	2.00	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	493	2.00	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	268	2.00	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	601	6.00	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTEX	1550	12.0	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	09/22/2016	ND	432	108	400	0.00		
TPH 8015M	mg/kg		Analyzed By: MS							S-06

Surrogate: 1-Chlorooctane 364 % 35-147

Surrogate: 1-Chlorooctadecane 571 % 28-171

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Analytical Results For:

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 7 - 7' BGS @ LEAK (H602118-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	43.2	2.00	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	153	2.00	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	104	2.00	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	242	6.00	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTEX	542	12.0	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	09/22/2016	ND	432	108	400	0.00	
TPH 8015M									S-06

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3900	100	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	8460	100	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	1260	100	09/21/2016	ND					

Surrogate: 1-Chlorooctane 180 % 35-147

Surrogate: 1-Chlorooctadecane 220 % 28-171

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 8 - 9' BGS @ LEAK (H602118-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	82.7	2.00	09/22/2016	ND	2.24	112	2.00	0.900		
Toluene*	247	2.00	09/22/2016	ND	2.28	114	2.00	1.29		
Ethylbenzene*	152	2.00	09/22/2016	ND	2.20	110	2.00	1.49		
Total Xylenes*	342	6.00	09/22/2016	ND	6.68	111	6.00	1.74		
Total BTEX	824	12.0	09/22/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	09/22/2016	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4290	100	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	9520	100	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	1350	100	09/21/2016	ND					

Surrogate: 1-Chlorooctane 185 % 35-147

Surrogate: 1-Chlorooctadecane 243 % 28-171

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 9 - 10' BGS @ LEAK (H602118-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	151	2.00	09/22/2016	ND	2.24	112	2.00	0.900		
Toluene*	435	2.00	09/22/2016	ND	2.28	114	2.00	1.29		
Ethylbenzene*	245	2.00	09/22/2016	ND	2.20	110	2.00	1.49		
Total Xylenes*	548	6.00	09/22/2016	ND	6.68	111	6.00	1.74		
Total BTEX	1380	12.0	09/22/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	09/22/2016	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	9470	100	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	15000	100	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	2040	100	09/21/2016	ND					

Surrogate: 1-Chlorooctane 250 % 35-147

Surrogate: 1-Chlorooctadecane 372 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 10 - W SIDEWALL 6' (H602118-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	44.6	2.00	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	198	2.00	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	136	2.00	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	324	6.00	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTEX	703	12.0	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	09/22/2016	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6300	100	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	12800	100	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	1860	100	09/21/2016	ND					

Surrogate: 1-Chlorooctane 216 % 35-147

Surrogate: 1-Chlorooctadecane 330 % 28-171

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Analytical Results For:

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RANDALL HICKS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 11 - S SIDEWALL 6' (H602118-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.113	0.050	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	0.219	0.050	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	0.120	0.050	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	0.225	0.150	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTEX	0.676	0.300	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	<10.0	10.0	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	<10.0	10.0	09/21/2016	ND					

Surrogate: 1-Chlorooctane 77.3 % 35-147

Surrogate: 1-Chlorooctadecane 91.0 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/22/2016	Sampling Type:	Soil
Project Name:	ASAU TRUNK LINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA		

Sample ID: S 12- S TRENCH 10' (H602118-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.094	0.050	09/22/2016	ND	2.24	112	2.00	0.900	
Toluene*	0.211	0.050	09/22/2016	ND	2.28	114	2.00	1.29	
Ethylbenzene*	0.118	0.050	09/22/2016	ND	2.20	110	2.00	1.49	
Total Xylenes*	0.304	0.150	09/22/2016	ND	6.68	111	6.00	1.74	
Total BTEX	0.728	0.300	09/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.6-140

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	09/22/2016	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/21/2016	ND	196	98.2	200	2.00	
DRO >C10-C28	85.4	10.0	09/21/2016	ND	204	102	200	0.832	
EXT DRO >C28-C35	13.3	10.0	09/21/2016	ND					

Surrogate: 1-Chlorooctane 71.2 % 35-147

Surrogate: 1-Chlorooctadecane 81.8 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

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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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Bill To hine Rock Arrest

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

Company Name: K.T. Hicks		BILL TO		ANALYSIS REQUEST	
Project Manager: RTH		P.O. #:			
Address: Rothicksconsult.com		Company: Lime Rock			
City:		Attn:			
State:		Address:			
Phone #: 505-238-9515		City:			
Fax #:		State:			
Project #:		Zip:			
Project Name: MT ASAU TRUNK LINE Release		Phone #:			
Project Location: ARRESIA		Fax #:			
Sampler Name: RTHicks					

FOR LAB USE ONLY		LAB USE ONLY		LAB USE ONLY	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.
				GROUNDWATER	
				WASTEWATER	
				SOIL	
				OIL	
				SLUDGE	
				OTHER :	
				ACID/BASE:	
				ICE / COOL	
				OTHER :	

DATE	TIME	TPH = GRO + DRO + MRO	BTEX	Chloride
9/20	1033	X	X	X
	1123	X	X	X
	1141	X	X	X
	1151	X	X	X
	1158	X	X	X
	1205	X	X	X
	1209	X	X	X
	1212	X	X	X
	1214	X	X	X

Relinquished By: Receivd By: Date: 9/21/16 Time: 1230 Date: 9/21/16 Time: 1230		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Checked By: (initials)	
Relinquished By: Receivd By: Date: 9/21/16 Time: 1230 Date: 9/21/16 Time: 1230		REMARKS: RUST ETOWNE@limerockresources MBennett@limerockresources mike@rthicksconsult.com	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

[illegible]

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 395-2326

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