

August 12, 2014

DAVID ADKINS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: MARTHA CREEK

Enclosed are the results of analyses for samples received by the laboratory on 08/05/14 16:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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:	08/05/2014	Sampling Date:	08/04/2014
Reported:	08/12/2014	Sampling Type:	Soil
Project Name:	MARTHA CREEK	Sampling Condition:	Cool & Intact
Project Number:	700608.358.01	Sample Received By:	Kathy Perez
Project Location:	EDDY		

Sample ID: S-1 (H402403-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/08/2014	ND	1.90	95.2	2.00	8.19	
Toluene*	<0.200	0.200	08/08/2014	ND	1.94	97.0	2.00	8.24	
Ethylbenzene*	0.501	0.200	08/08/2014	ND	1.96	98.0	2.00	8.21	
Total Xylenes*	1.39	0.600	08/08/2014	ND	6.10	102	6.00	7.31	
Total BTX	1.89	1.20	08/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 186 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	185	20.0	08/07/2014	10.9	178	88.8	200	4.58	
DRO >C10-C28	1980	10.0	08/07/2014	ND	182	90.8	200	7.33	

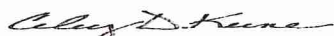
Surrogate: 1-Chlorooctane 140 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	08/05/2014	Sampling Date:	08/04/2014
Reported:	08/12/2014	Sampling Type:	Soil
Project Name:	MARTHA CREEK	Sampling Condition:	Cool & Intact
Project Number:	700608.358.01	Sample Received By:	Kathy Perez
Project Location:	EDDY		

Sample ID: S-2 (H402403-02)

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	08/08/2014	ND	1.90	95.2	2.00	8.19		
Toluene*	<0.050	0.050	08/08/2014	ND	1.94	97.0	2.00	8.24		
Ethylbenzene*	<0.050	0.050	08/08/2014	ND	1.96	98.0	2.00	8.21		
Total Xylenes*	<0.150	0.150	08/08/2014	ND	6.10	102	6.00	7.31		
Total BTEX	<0.300	0.300	08/08/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<20.0	20.0	08/07/2014	10.9	178	88.8	200	4.58	
DRO >C10-C28	1210	10.0	08/07/2014	ND	182	90.8	200	7.33	

Surrogate: 1-Chlorooctane 95.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

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* = Accredited Analyte

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Received:	08/05/2014	Sampling Date:	08/04/2014
Reported:	08/12/2014	Sampling Type:	Soil
Project Name:	MARTHA CREEK	Sampling Condition:	Cool & Intact
Project Number:	700608.358.01	Sample Received By:	Kathy Perez
Project Location:	EDDY		

Sample ID: S-3 (H402403-03)

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	08/08/2014	ND	1.90	95.2	2.00	8.19	
Toluene*	<0.050	0.050	08/08/2014	ND	1.94	97.0	2.00	8.24	
Ethylbenzene*	<0.050	0.050	08/08/2014	ND	1.96	98.0	2.00	8.21	
Total Xylenes*	<0.150	0.150	08/08/2014	ND	6.10	102	6.00	7.31	
Total BTEX	<0.300	0.300	08/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<20.0	20.0	08/07/2014	10.9	178	88.8	200	4.58	
DRO >C10-C28	112	10.0	08/07/2014	ND	182	90.8	200	7.33	

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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



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ANALYSIS REQUEST

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