



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

November 12, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SAN LORENZO SWD

Enclosed are the results of analyses for samples received by the laboratory on 11/07/14 16:00.

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: 11/07/2014
Reported: 11/12/2014
Project Name: SAN LORENZO SWD
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/06/2014
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: W-1 (H403437-01)

BTEX 8260B		mg/L		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	11/11/2014	ND	0.020	102	0.0200	5.71	
Toluene*	<0.001	0.001	11/11/2014	ND	0.017	86.4	0.0200	7.57	
Ethylbenzene*	<0.001	0.001	11/11/2014	ND	0.017	85.3	0.0200	9.17	
Total Xylenes*	<0.003	0.003	11/11/2014	ND	0.054	90.2	0.0600	8.64	
Total BTEX	<0.006	0.006	11/11/2014	ND					

Surrogate: Dibromofluoromethane 107 % 88.3-113

Surrogate: Toluene-d8 94.4 % 90.3-115

Surrogate: 4-Bromofluorobenzene 96.4 % 87.2-114

Chloride, SM4500Cl-B		mg/L		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	840	4.00	11/11/2014	ND	104	104	100	3.92	

TPH 8015M		mg/L		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	11/11/2014	ND	41.8	83.6	50.0	22.3	
DRO >C10-C28	<1.00	1.00	11/11/2014	ND	47.3	94.7	50.0	25.3	
EXT DRO >C28-C35	<1.00	1.00	11/11/2014	ND	ND		0.00		

Surrogate: 1-Chlorooctane 81.7 % 36.1-161

Surrogate: 1-Chlorooctadecane 96.2 % 36-171

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: 11/07/2014
Reported: 11/12/2014
Project Name: SAN LORENZO SWD
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/06/2014
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: W-2 (H403437-02)

BTX 8260B		mg/L		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	11/11/2014	ND	0.020	102	0.0200	5.71	
Toluene*	<0.001	0.001	11/11/2014	ND	0.017	86.4	0.0200	7.57	
Ethylbenzene*	<0.001	0.001	11/11/2014	ND	0.017	85.3	0.0200	9.17	
Total Xylenes*	<0.003	0.003	11/11/2014	ND	0.054	90.2	0.0600	8.64	
Total BTX	<0.006	0.006	11/11/2014	ND					

Surrogate: Dibromofluoromethane 106 % 88.3-113
Surrogate: Toluene-d8 96.6 % 90.3-115
Surrogate: 4-Bromofluorobenzene 99.2 % 87.2-114

Chloride, SM4500Cl-B		mg/L		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	600	4.00	11/11/2014	ND	104	104	100	3.92	

TPH 8015M		mg/L		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	11/11/2014	ND	41.8	83.6	50.0	22.3	
DRO >C10-C28	<1.00	1.00	11/11/2014	ND	47.3	94.7	50.0	25.3	
EXT DRO >C28-C35	<1.00	1.00	11/11/2014	ND	ND		0.00		

Surrogate: 1-Chlorooctane 76.8 % 36.1-161
Surrogate: 1-Chlorooctadecane 97.3 % 36-171

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*=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: 11/07/2014
Reported: 11/12/2014
Project Name: SAN LORENZO SWD
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/06/2014
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: W-3 (H403437-03)

BTX 8260B		mg/L		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	11/11/2014	ND	0.020	102	0.0200	5.71	
Toluene*	<0.001	0.001	11/11/2014	ND	0.017	86.4	0.0200	7.57	
Ethylbenzene*	<0.001	0.001	11/11/2014	ND	0.017	85.3	0.0200	9.17	
Total Xylenes*	<0.003	0.003	11/11/2014	ND	0.054	90.2	0.0600	8.64	
Total BTX	<0.006	0.006	11/11/2014	ND					

Surrogate: Dibromofluoromethane 111 % 88.3-113
Surrogate: Toluene-d8 95.1 % 90.3-115
Surrogate: 4-Bromofluorobenzene 93.5 % 87.2-114

Chloride, SM4500Cl-B		mg/L		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	630	4.00	11/11/2014	ND	104	104	100	3.92	

TPH 8015M		mg/L		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	11/11/2014	ND	41.8	83.6	50.0	22.3	
DRO >C10-C28	<1.00	1.00	11/11/2014	ND	47.3	94.7	50.0	25.3	
EXT DRO >C28-C35	<1.00	1.00	11/11/2014	ND	ND		0.00		

Surrogate: 1-Chlorooctane 81.1 % 36.1-161
Surrogate: 1-Chlorooctadecane 98.6 % 36-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326