



Received 12/24/14  
API 067-06498  
Document 2313499

December 22, 2014

MIKE SANDOVAL

DUGAN PRODUCTION

P. O. BOX 420

FARMINGTON, NM 87499

RE: TIFFANY #1

Enclosed are the results of analyses for samples received by the laboratory on 12/16/14 13:25.

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](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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 DUGAN PRODUCTION  
 MIKE SANDOVAL  
 P. O. BOX 420  
 FARMINGTON NM, 87499  
 Fax To: (505) 327-4043

Received:	12/16/2014	Sampling Date:	12/12/2014
Reported:	12/22/2014	Sampling Type:	Soil
Project Name:	TIFFANY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: TIFFANY #1 SITE N (H403825-01)**

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	12/19/2014	ND	1.81	90.7	2.00	8.31	
Toluene*	<0.050	0.050	12/19/2014	ND	1.79	89.7	2.00	8.41	
Ethylbenzene*	<0.050	0.050	12/19/2014	ND	1.69	84.4	2.00	9.67	
Total Xylenes*	<0.150	0.150	12/19/2014	ND	5.07	84.5	6.00	10.4	
Total BTEX	<0.300	0.300	12/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/17/2014	ND	416	104	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	12/17/2014	ND	212	106	200	1.65	
<b>DRO &gt;C10-C28</b>	<b>41.6</b>	10.0	12/17/2014	ND	196	98.2	200	0.529	
<b>Total TPH C6-C28</b>	<b>41.6</b>	10.0	12/17/2014	ND	409	102	400	1.11	

Surrogate: 1-Chlorooctane 84.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.5 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Received:	12/16/2014	Sampling Date:	12/12/2014
Reported:	12/22/2014	Sampling Type:	Soil
Project Name:	TIFFANY #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

**Sample ID: TIFFANY #1 SITE S (H403825-02)**

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	12/19/2014	ND	1.81	90.7	2.00	8.31		
Toluene*	<0.050	0.050	12/19/2014	ND	1.79	89.7	2.00	8.41		
Ethylbenzene*	<0.050	0.050	12/19/2014	ND	1.69	84.4	2.00	9.67		
Total Xylenes*	<0.150	0.150	12/19/2014	ND	5.07	84.5	6.00	10.4		
Total BTEX	<0.300	0.300	12/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/17/2014	ND	416	104	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	12/17/2014	ND	212	106	200	1.65		
<b>DRO &gt;C10-C28</b>	<b>19.9</b>	10.0	12/17/2014	ND	196	98.2	200	0.529		
<b>Total TPH C6-C28</b>	<b>19.9</b>	10.0	12/17/2014	ND	409	102	400	1.11		

Surrogate: 1-Chlorooctane 85.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.5 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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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

