



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

December 22, 2014

MIKE SANDOVAL

DUGAN PRODUCTION

P. O. BOX 420

FARMINGTON, NM 87499

Received 12/24/14

API 067-06498

Document 2313499

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.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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
Reported: 12/22/2014
Project Name: TIFFANY #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

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	
DRO >C10-C28	41.6	10.0	12/17/2014	ND	196	98.2	200	0.529	
Total TPH C6-C28	41.6	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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DUGAN PRODUCTION
MIKE SANDOVAL
P. O. BOX 420
FARMINGTON NM, 87499
Fax To: (505) 327-4043

Received: 12/16/2014
Reported: 12/22/2014
Project Name: TIFFANY #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

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	
DRO >C10-C28	19.9	10.0	12/17/2014	ND	196	98.2	200	0.529	
Total TPH C6-C28	19.9	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

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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



CHAIN OF CUSTODY RECORD

Page ____ of ____

Client: Dugan Production

Contact: Michael Sandora

Address: _____

Phone Number: 305-330-0929

Email: _____

NOTES:

- 1) Ensure proper container packaging.
- 2) Ship samples promptly following collection.
- 3) Designate Sample Reject Disposition.

PO# Ground Fiber Glass Tank

Project Name: Tiffany #1

Samplers Signature: Michael Sandora

Table 1. - Matrix Type

- 1 = Surface Water, 2 = Ground Water
- 3 = Soil/Sediment, 4 = Prod. W., 5 = Oil
- 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB # _____

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227

Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Analyses Required

Collection Date Time

Miscellaneous Matrix Type From Table 1 No. of Containers Sample Filtered ? Y/N Unpreserved (Ice Only) HNO3 HCL H2SO4 NAOH Other (Specify)

Preservative(s)

Comments

Sample ID

Date

Time

Collected by: (Init.)

Matrix Type From Table 1

No. of Containers

Sample Filtered ? Y/N

Unpreserved (Ice Only)

HNO3

HCL

H2SO4

NAOH

Other (Specify)

Soil/Ground Fiber Tank

(BTEX, TPH, BENZENE & CHLORIDES)

4.8C on ice

Sample ID

Date

Time

Collected by: (Init.)

Matrix Type From Table 1

No. of Containers

Sample Filtered ? Y/N

Unpreserved (Ice Only)

HNO3

HCL

H2SO4

NAOH

Other (Specify)

Preservative(s)

Comments

Sample ID

Date

Time

Collected by: (Init.)

Matrix Type From Table 1

No. of Containers

Sample Filtered ? Y/N

Unpreserved (Ice Only)

HNO3

HCL

H2SO4

NAOH

Other (Specify)

Preservative(s)

Comments

Sample ID

Date

Time

Collected by: (Init.)

Matrix Type From Table 1

No. of Containers

Sample Filtered ? Y/N

Unpreserved (Ice Only)

HNO3

HCL

H2SO4

NAOH

Other (Specify)

Preservative(s)

Comments

Sample ID

Date

Time

Collected by: (Init.)

Matrix Type From Table 1

No. of Containers

Sample Filtered ? Y/N

Unpreserved (Ice Only)

HNO3

HCL

H2SO4

NAOH

Other (Specify)

Preservative(s)

Comments

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Collected by: (Init.)

Matrix Type From Table 1

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Sample Filtered ? Y/N

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