



January 05, 2017

MICHAEL ALVES

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: NASH UNIT BATTERY #42

Enclosed are the results of analyses for samples received by the laboratory on 01/04/17 12:00.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 MICHAEL ALVES
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	NASH UNIT BATTERY #42	Sampling Condition:	Cool & Intact
Project Number:	20944	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H700027-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	19.0	2.00	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	141	2.00	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	49.2	2.00	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	199	6.00	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTEX	409	12.0	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	01/04/2017	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	5530	50.0	01/05/2017	ND	206	103	200	3.11		
DRO >C10-C28	10800	50.0	01/05/2017	ND	225	113	200	2.65		

Surrogate: 1-Chlorooctane 184 % 35-147
Surrogate: 1-Chlorooctadecane 264 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	NASH UNIT BATTERY #42	Sampling Condition:	Cool & Intact
Project Number:	20944	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H700027-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	24.4	2.00	01/04/2017	ND	2.30	115	2.00	1.09	
Toluene*	104	2.00	01/04/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	29.4	2.00	01/04/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	117	6.00	01/04/2017	ND	6.54	109	6.00	0.640	
Total BTEX	275	12.0	01/04/2017	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	80.0	16.0	01/04/2017	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	5320	50.0	01/05/2017	ND	206	103	200	3.11		
DRO >C10-C28	18600	50.0	01/05/2017	ND	225	113	200	2.65		

Surrogate: 1-Chlorooctane 267 % 35-147
Surrogate: 1-Chlorooctadecane 454 % 28-171

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Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	NASH UNIT BATTERY #42	Sampling Condition:	Cool & Intact
Project Number:	20944	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H700027-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.279	0.050	01/05/2017	ND	2.30	115	2.00	1.09	
Toluene*	1.09	0.050	01/05/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	0.468	0.050	01/05/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	0.809	0.150	01/05/2017	ND	6.54	109	6.00	0.640	
Total BTEX	2.65	0.300	01/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	80.0	16.0	01/04/2017	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	56.2	10.0	01/05/2017	ND	206	103	200	3.11	
DRO >C10-C28	1200	10.0	01/05/2017	ND	225	113	200	2.65	

Surrogate: 1-Chlorooctane 95.1 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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Received:	01/04/2017	Sampling Date:	01/03/2017
Reported:	01/05/2017	Sampling Type:	Soil
Project Name:	NASH UNIT BATTERY #42	Sampling Condition:	Cool & Intact
Project Number:	20944	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 1' (H700027-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	15.3	1.00	01/05/2017	ND	2.30	115	2.00	1.09	
Toluene*	95.9	1.00	01/05/2017	ND	2.28	114	2.00	0.843	
Ethylbenzene*	33.5	1.00	01/05/2017	ND	2.30	115	2.00	0.520	
Total Xylenes*	137	3.00	01/05/2017	ND	6.54	109	6.00	0.640	
Total BTEX	281	6.00	01/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	01/04/2017	ND	432	108	400	3.77	

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	3720	50.0	01/05/2017	ND	206	103	200	3.11		
DRO >C10-C28	9760	50.0	01/05/2017	ND	225	113	200	2.65		

Surrogate: 1-Chlorooctane 162 % 35-147

Surrogate: 1-Chlorooctadecane 235 % 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.
- 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



Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: XTA P.O. #: _____

Address: _____ Company: Diversified

City: _____ State: _____ Zip: _____ Attn: _____

Phone #: _____ Fax #: _____ Address: _____

Project #: _____ Project Owner: _____ City: _____

Project Name: YTO State: _____ Zip: _____

Project Location: cash unit 42 Bad Phone #: _____

Sampler Name: Ruby Murray Fax #: _____

FOR LAB USE ONLY

Lab I.D. _____ Sample I.D. _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	IPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<u>H100000P</u>	<u>SP 1 @ 1'</u>		<u>1</u>							<u>1-3-17</u>				
	<u>SP 2 @ 1'</u>		<u>1</u>											
	<u>SP 3 @ 1'</u>		<u>1</u>											
	<u>SP 4 @ 1'</u>		<u>1</u>											

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Relinquished By: Ruby Murray Date: 1/11/17 Received By: Scott Newson
Time: 12:00 Date: _____

Delivered By: (Circle One) #75 1.82 Sample Condition: Cool Intact Yes No

Checked By: [Signature] (Initials) _____
REMARKS: Delivered to: Flores on Diversified's. 800m
Patroler
in plives
in burton
in address

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-6826