



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

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,

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)

BTX 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 BTX	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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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)

BTX 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 BTX	275	12.0	01/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500CI-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									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)

BTX 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 BTX	2.65	0.300	01/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 73.6-140

Chloride, SM4500CI-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)

BTX 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 BTX	281	6.00	01/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500CI-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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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

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RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	XTD	P.O. #:	
Project Manager:		Company:	Diversified

Address:	State:	Zip:	Attn:	
City:	Fax #:	Address:	City:	

Project #:	Project Owner:	State:	Zip:
Project Name:	YTD	Phone #:	

Project Location:	East unit 42 Bad	Fax #:	
Sampler Name:	Ricky Sherry		

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING
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GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME
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SP 1 @ 1'	5	1	1	1	1	1	1	1	1-3-17	CL
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SP 2 @ 1'	5	1	1	1	1	1	1	1		TPH
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SP 3 @ 1'	5	1	1	1	1	1	1	1		BTEX
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SP 4 @ 1'	5	1	1	1	1	1	1	1		
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Relinquished By:	Date:	Received By:	Date:	Phone Result:	Yes	No	Add'l Phone #:
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Relinquished By:	Date:	Received By:	Date:	Fax Result:	Yes	No	Add'l Fax #:
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Delivered By: (Circle One)	Sample Condition	CHECKED BY:	REMARKS:
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Sampler - UPS - Bus - Other:	#75	1.82	in plives in buffer in padderson
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326