



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

January 27, 2016

CRISSY FORREST

SPHERE 3 ENVIRONMENTAL

1501 BILL OWENS PARKWAY

LONGVIEW, TX 75604

RE: SALT DRAW NO. 1 SPILL

Enclosed are the results of analyses for samples received by the laboratory on 01/26/16 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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:

SPHERE 3 ENVIRONMENTAL
CRISSY FORREST
1501 BILL OWENS PARKWAY
LONGVIEW TX, 75604
Fax To: (903) 297-4675

Received:	01/26/2016	Sampling Date:	01/26/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	SALT DRAW NO. 1 SPILL	Sampling Condition:	Cool & Intact
Project Number:	047730	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: HA 1 6' (H600183-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.1	0.500	01/27/2016	ND	1.89	94.6	2.00	7.17	
Toluene*	3.51	0.500	01/27/2016	ND	1.86	93.0	2.00	7.21	
Ethylbenzene*	19.4	0.500	01/27/2016	ND	1.69	84.4	2.00	7.83	
Total Xylenes*	96.7	1.50	01/27/2016	ND	5.21	86.8	6.00	7.67	
Total BTEX	131	3.00	01/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2160	10.0	01/27/2016	ND	199	99.3	200	3.47	
DRO >C10-C28	4330	10.0	01/27/2016	ND	190	95.0	200	4.27	

Surrogate: 1-Chlorooctane 171 % 35-147

Surrogate: 1-Chlorooctadecane 130 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

SPHERE 3 ENVIRONMENTAL
CRISSY FORREST
1501 BILL OWENS PARKWAY
LONGVIEW TX, 75604
Fax To: (903) 297-4675

Received:	01/26/2016	Sampling Date:	01/26/2016
Reported:	01/27/2016	Sampling Type:	Soil
Project Name:	SALT DRAW NO. 1 SPILL	Sampling Condition:	Cool & Intact
Project Number:	047730	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: HA 1 7' (H600183-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	13.5	2.00	01/27/2016	ND	1.89	94.6	2.00	7.17	
Toluene*	46.8	2.00	01/27/2016	ND	1.86	93.0	2.00	7.21	
Ethylbenzene*	17.9	2.00	01/27/2016	ND	1.69	84.4	2.00	7.83	
Total Xylenes*	102	6.00	01/27/2016	ND	5.21	86.8	6.00	7.67	
Total BTEX	180	12.0	01/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.6-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1680	10.0	01/27/2016	ND	199	99.3	200	3.47	
DRO >C10-C28	2830	10.0	01/27/2016	ND	190	95.0	200	4.27	

Surrogate: 1-Chlorooctane 141 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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