



February 18, 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 02/17/16 11:08.

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](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:**

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

Received:	02/17/2016	Sampling Date:	02/17/2016
Reported:	02/18/2016	Sampling Type:	Soil
Project Name:	SALT DRAW NO. 1 SPILL	Sampling Condition:	Cool & Intact
Project Number:	047730	Sample Received By:	Celey D. Keene
Project Location:	EDDY COUNTY, NM		

**Sample ID: HA 2 14' (H600360-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.065</b>	0.050	02/18/2016	ND	2.11	105	2.00	0.347	
<b>Toluene*</b>	<b>0.080</b>	0.050	02/18/2016	ND	2.08	104	2.00	0.538	
<b>Ethylbenzene*</b>	<b>0.384</b>	0.050	02/18/2016	ND	1.91	95.7	2.00	0.265	
<b>Total Xylenes*</b>	<b>0.548</b>	0.150	02/18/2016	ND	5.91	98.5	6.00	0.426	
<b>Total BTEX</b>	<b>1.08</b>	0.300	02/18/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.6-140*

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>17.7</b>	10.0	02/17/2016	ND	224	112	200	7.24	
<b>DRO &gt;C10-C28</b>	<b>167</b>	10.0	02/17/2016	ND	238	119	200	18.8	

*Surrogate: 1-Chlorooctane 90.8 % 35-147*
*Surrogate: 1-Chlorooctadecane 83.5 % 28-171*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- QR-02      The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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

