

Sandia National Laboratories Albuquerque, New Mexico October 2010

DOE/Sandia Responses to NMED's “Notice of Disapproval: Mixed Waste Landfill Toluene Investigation Report, August 2010”

INTRODUCTION

This document responds to the comments received in a letter from the New Mexico Environment Department (NMED) to the U.S. Department of Energy (DOE) and Sandia Corporation (Sandia) dated September 28th, 2010 regarding the Mixed Waste Landfill (MWL) Toluene Investigation Report for Sandia National Laboratories (SNL). The letter is entitled “Notice of Disapproval: Mixed Waste Landfill Toluene Investigation Report, August 2010, Sandia National Laboratories”, EPA ID NM5890110518, HWB-SNL-10-011.

The NMED letter contains two comments. This document provides the DOE/Sandia response for each of the comments.

This document lists each NMED comment, and DOE/Sandia's response to that comment. The NMED comment is listed in boldface, followed by the DOE/Sandia response, written in normal font under “Response”.

The revised report, dated October 2010, is provided as a separate enclosure. It includes corrected pages along with a brief note added to the Executive Summary explaining the reason for the revision.

Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under Contract DE-AC04-94AL85000.

Comments on the MWL Toluene Investigation Report

1. Section 2.3.3.1, end of Page 2-12 - The last sentence on the page is incomplete. The Permittees must complete the sentence and also provide any other information that may be missing, if any.

Response: The missing part of the last sentence at the end of page 2-12 is included in italics below. It was accidentally truncated by a page break inserted for Table 2.3-3. There was no other missing information.

Two toluene detections for samples from MWL-BW2 (0.310 and 0.570 µg/L), three for samples from MWL-MW8 (0.260 to 0.660 µg/L), two for TB samples (0.630 and 0.660 µg/L), and one for an EB sample (0.330 µg/L) were qualified with “U” as not *detected during data validation because of laboratory contamination identified in the laboratory method blank samples.*

During preparation of these comment responses a minor error in Table 2.4-2 (page 2-21) and Figure 2.4-5 (page 2-22) was also noted. The information in this table and figure summarizing field quality control (QC) blank sample results did not include the April 2010 MWL field QC blank samples. The corrected Table 2.4-2 is provided below in redline-strikeout format. This same information is repeated in the text box in the upper part of Figure 2.4-5. There were no changes to the corresponding text in the report.

Table 2.4-2
Summary of Toluene Results for Field QC Blank Samples

Field QC Blank Samples	Number of Detections	Number of Samples	% Detections	Number of DV-Qualified Detections	% Detections Including DV-Qualified Data	Concentration Range in µg/L
Equipment Blanks	19	269 -271	7%	8 9	10%	0.194–10.6 ^a
Field Blanks	6	122 -124	5%	5	9%	0.272–0.7
Trip Blanks	126	1453 -1463	9%	29 31	11%	0.184–1.21
TOTAL	151	1,8441,858	—	4245	—	

^aTwo EB sample results exceeded 1 µg/L from CWL (5.16 µg/L, June 2008) and TA-V (10.6 µg/L, March 2005). All other EB results \leq 0.882 µg/L.

CWL = Chemical Waste Landfill.

DV = Data Validation.

EB = Equipment blank.

µg/L = Microgram(s) per liter.

QC = Quality Control

TA = Technical Area.

A revised version of the report is provided as a separate enclosure that incorporates the changes noted above and a brief note added to the Executive Summary explaining the reason for the revision. This report is being issued with "Revised October 2010" on the cover and is being distributed to all who received the August 2010 report.

2. Section 2.3.3.1 - This Section discusses results obtained from groundwater sampling conducted at the MWL in April 2010 related to the Purging/Sampling Study. The Permittees must provide the laboratory data sheets reporting the results for all environmental samples, and all field and laboratory quality control samples associated with this sampling event related to the analysis of toluene.

Response: The laboratory data sheets (i.e., Certificates of Analysis) that contain the volatile organic compound (VOC) laboratory results for all environmental samples, field quality control samples (i.e., trip blanks [TB], field blanks [FB], and equipment blanks [EB]), and laboratory quality control samples for the April 2010 sampling event are provided as Attachment 1. The page numbering in the lower left corner of the data sheets reflects the page numbering in the final laboratory report; only requested data sheets are provided in Attachment 1.

Attachment 1

April 2010 MWL Groundwater Sampling Results

Laboratory Certificates of Analysis for VOC Samples

Attachment 1

April 2010 MWL Groundwater Sampling Results Laboratory Certificates of Analysis for VOC Samples

MWL Groundwater samples:

MWL-BW2, MWL-MW4, and MWL-MW8

MWL Field Quality Control Samples:

MWL-FB2, MWL-EB2, and MWL-TB6 through 10

GC/MS Volatiles Sample and QC Summary Data

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Qualifier Definition Report for

SNLS003 Sandia National Labs (691436)

Client SDG: 251783 GEL Work Order: 251783


The Qualifiers in this report are defined as follows:

- * Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.
- ** Indicates analyte is a surrogate compound.
- B The analyte was found in the blank above the effective MDL.
- J Estimated value, the analyte concentration fell above the effective MDL and below the effective PQL
- U Analyzed for but undetected
- U The analyte was analyzed for but not detected below this concentration. For Organic and Inorganic analytes the result is less than the effective MDL. For radiochemical analytes the result is less than the Decision Level
- DL Indicates that sample is diluted.
- RA Indicates that sample is re-analyzed without re-extraction.
- RE Indicates that sample is re-extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this case narrative:

Signature: 

Name: Erin Haubert

Date: 25 MAY 2010

Title: Data Validator

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID:	088936-001	Project:	SNLSGWater
Sample ID:	251783014	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	19-APR-10 14:32		
Receive Date:	28-APR-10	Client Desc.:	MWL-EB2
Collector:	Client	Vol. Recv.:	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1224	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane		2.66	0.250	1.00	ug/L	1				
Bromoform		1.28	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform		1.47	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane		3.69	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	BJ	0.330	0.250	1.00	ug/L	1				
Trichloroethylene	J	0.350	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088936-001
Sample ID: 251783014

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.6 ug/L	50.0	93.2	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.3 ug/L	50.0	101	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088937-001
Sample ID: 251783022
Matrix: AQUEOUS
Collect Date: 26-APR-10 14:37
Receive Date: 28-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-TB7
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1252	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	BJ	0.630	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088937-001
Sample ID: 251783022

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B DOE-AL		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.4 ug/L	50.0	90.7	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.7 ug/L	50.0	97.4	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.5 ug/L	50.0	101	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088938-001
Sample ID: 251783023
Matrix: AQUEOUS
Collect Date: 27-APR-10 08:08
Receive Date: 28-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-BW2
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
<i>8260B TCL Liquid "As Received"</i>											
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1	05/01/10	1319	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1					
2-Butanone	U	ND	1.25	5.00	ug/L	1					
2-Hexanone	U	ND	1.25	5.00	ug/L	1					
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1					
Acetone	U	ND	3.50	10.0	ug/L	1					
Benzene	U	ND	0.300	1.00	ug/L	1					
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1					
Bromoform	U	ND	0.250	1.00	ug/L	1					
Bromomethane	U	ND	0.300	1.00	ug/L	1					
Carbon disulfide	U	ND	1.25	5.00	ug/L	1					
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1					
Chlorobenzene	U	ND	0.250	1.00	ug/L	1					
Chloroethane	U	ND	0.300	1.00	ug/L	1					
Chloroform	U	ND	0.250	1.00	ug/L	1					
Chloromethane	U	ND	0.300	1.00	ug/L	1					
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1					
Ethylbenzene	U	ND	0.250	1.00	ug/L	1					
Methylene chloride	U	ND	3.00	10.0	ug/L	1					
Styrene	U	ND	0.250	1.00	ug/L	1					
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1					
Toluene	U	ND	0.250	1.00	ug/L	1					
Trichloroethylene	U	ND	0.250	1.00	ug/L	1					
Vinyl acetate	U	ND	1.50	5.00	ug/L	1					
Vinyl chloride	U	ND	0.500	1.00	ug/L	1					
Xylenes (total)	U	ND	0.300	1.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088938-001
Sample ID: 251783023

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.3 ug/L	50.0	92.6	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088939-001
Sample ID: 251783024
Matrix: AQUEOUS
Collect Date: 27-APR-10 08:32
Receive Date: 28-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-BW2
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1347	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	BJ	0.310	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088939-001
Sample ID: 251783024

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	41.0 ug/L	50.0	81.9	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	42.5 ug/L	50.0	84.9	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	45.4 ug/L	50.0	90.9	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID:	088940-001	Project:	SNLSGWater
Sample ID:	251783025	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	27-APR-10 08:56		
Receive Date:	28-APR-10	Client Desc.:	MWL-BW2
Collector:	Client	Vol. Recv.:	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1414	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	BJ	0.570	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088940-001
Sample ID: 251783025

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B DOE-AL		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	44.9 ug/L	50.0	89.7	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	49.1 ug/L	50.0	98.2	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.6 ug/L	50.0	99.1	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID:	088941-001	Project:	SNLSGWater
Sample ID:	251783026	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	27-APR-10 09:22		
Receive Date:	28-APR-10	Client Desc.:	MWL-BW2
Collector:	Client	Vol. Recv.:	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1441	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088941-001
Sample ID: 251783026

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.0 ug/L	50.0	89.9	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	45.3 ug/L	50.0	90.6	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.1 ug/L	50.0	98.2	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088942-001
Sample ID: 251783027
Matrix: AQUEOUS
Collect Date: 27-APR-10 09:48
Receive Date: 28-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-BW2
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1509	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS–0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088942–001
Sample ID: 251783027

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B DOE–AL		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2–Dichloroethane–d4	8260B TCL Liquid "As Received"	44.3 ug/L	50.0	88.5	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	46.9 ug/L	50.0	93.9	(77%–123%)
Toluene–d8	8260B TCL Liquid "As Received"	48.9 ug/L	50.0	97.7	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID:	088943-001	Project:	SNLSGWater
Sample ID:	251783035	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	27-APR-10 09:48		
Receive Date:	28-APR-10	Client Desc.:	MWL-BW2
Collector:	Client	Vol. Recv.:	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1537	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088943-001
Sample ID: 251783035

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B DOE-AL		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.1 ug/L	50.0	90.2	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	47.7 ug/L	50.0	95.4	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.3 ug/L	50.0	98.7	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088944-001
Sample ID: 251783043
Matrix: AQUEOUS
Collect Date: 27-APR-10 08:08
Receive Date: 28-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-TB8
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1604	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088944-001
Sample ID: 251783043

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B DOE-AL		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.3 ug/L	50.0	90.5	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	49.3 ug/L	50.0	98.5	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.4 ug/L	50.0	101	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088932-001
Sample ID: 251783002
Matrix: AQUEOUS
Collect Date: 26-APR-10 08:19
Receive Date: 27-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW8
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
<i>8260B TCL Liquid "As Received"</i>											
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1	05/01/10	1033	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1					
2-Butanone	U	ND	1.25	5.00	ug/L	1					
2-Hexanone	U	ND	1.25	5.00	ug/L	1					
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1					
Acetone	U	ND	3.50	10.0	ug/L	1					
Benzene	U	ND	0.300	1.00	ug/L	1					
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1					
Bromoform	U	ND	0.250	1.00	ug/L	1					
Bromomethane	U	ND	0.300	1.00	ug/L	1					
Carbon disulfide	U	ND	1.25	5.00	ug/L	1					
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1					
Chlorobenzene	U	ND	0.250	1.00	ug/L	1					
Chloroethane	U	ND	0.300	1.00	ug/L	1					
Chloroform	U	ND	0.250	1.00	ug/L	1					
Chloromethane	U	ND	0.300	1.00	ug/L	1					
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1					
Ethylbenzene	U	ND	0.250	1.00	ug/L	1					
Methylene chloride	U	ND	3.00	10.0	ug/L	1					
Styrene	U	ND	0.250	1.00	ug/L	1					
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1					
Toluene	BJ	0.260	0.250	1.00	ug/L	1					
Trichloroethylene	U	ND	0.250	1.00	ug/L	1					
Vinyl acetate	U	ND	1.50	5.00	ug/L	1					
Vinyl chloride	U	ND	0.500	1.00	ug/L	1					
Xylenes (total)	U	ND	0.300	1.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088932-001
Sample ID: 251783002

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	44.9 ug/L	50.0	89.8	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.8 ug/L	50.0	97.7	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.2 ug/L	50.0	98.3	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID:	088933-001	Project:	SNLSGWater
Sample ID:	251783003	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	26-APR-10 08:31		
Receive Date:	27-APR-10	Client Desc.:	MWL-MW8
Collector:	Client	Vol. Recv.:	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1100	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088933-001
Sample ID: 251783003

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	40.4 ug/L	50.0	80.9	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	43.1 ug/L	50.0	86.1	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	45.4 ug/L	50.0	90.7	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088934-001
Sample ID: 251783004
Matrix: AQUEOUS
Collect Date: 26-APR-10 13:17
Receive Date: 27-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW8
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
<i>8260B TCL Liquid "As Received"</i>											
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1	05/01/10	1128	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1					
2-Butanone	U	ND	1.25	5.00	ug/L	1					
2-Hexanone	U	ND	1.25	5.00	ug/L	1					
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1					
Acetone	U	ND	3.50	10.0	ug/L	1					
Benzene	U	ND	0.300	1.00	ug/L	1					
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1					
Bromoform	U	ND	0.250	1.00	ug/L	1					
Bromomethane	U	ND	0.300	1.00	ug/L	1					
Carbon disulfide	U	ND	1.25	5.00	ug/L	1					
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1					
Chlorobenzene	U	ND	0.250	1.00	ug/L	1					
Chloroethane	U	ND	0.300	1.00	ug/L	1					
Chloroform	U	ND	0.250	1.00	ug/L	1					
Chloromethane	U	ND	0.300	1.00	ug/L	1					
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1					
Ethylbenzene	U	ND	0.250	1.00	ug/L	1					
Methylene chloride	U	ND	3.00	10.0	ug/L	1					
Styrene	U	ND	0.250	1.00	ug/L	1					
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1					
Toluene	BJ	0.260	0.250	1.00	ug/L	1					
Trichloroethylene	U	ND	0.250	1.00	ug/L	1					
Vinyl acetate	U	ND	1.50	5.00	ug/L	1					
Vinyl chloride	U	ND	0.500	1.00	ug/L	1					
Xylenes (total)	U	ND	0.300	1.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088934-001
Sample ID: 251783004

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.6 ug/L	50.0	91.2	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	47.2 ug/L	50.0	94.3	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.9 ug/L	50.0	99.8	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088931-001
Sample ID: 251783001
Matrix: AQUEOUS
Collect Date: 26-APR-10 08:10
Receive Date: 27-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW8
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Volatile Organics											
<i>8260B TCL Liquid "As Received"</i>											
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1	05/01/10	1005	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1					
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1					
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1					
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1					
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1					
2-Butanone	U	ND	1.25	5.00	ug/L	1					
2-Hexanone	U	ND	1.25	5.00	ug/L	1					
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1					
Acetone	U	ND	3.50	10.0	ug/L	1					
Benzene	U	ND	0.300	1.00	ug/L	1					
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1					
Bromoform	U	ND	0.250	1.00	ug/L	1					
Bromomethane	U	ND	0.300	1.00	ug/L	1					
Carbon disulfide	U	ND	1.25	5.00	ug/L	1					
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1					
Chlorobenzene	U	ND	0.250	1.00	ug/L	1					
Chloroethane	U	ND	0.300	1.00	ug/L	1					
Chloroform	U	ND	0.250	1.00	ug/L	1					
Chloromethane	U	ND	0.300	1.00	ug/L	1					
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1					
Ethylbenzene	U	ND	0.250	1.00	ug/L	1					
Methylene chloride	U	ND	3.00	10.0	ug/L	1					
Styrene	U	ND	0.250	1.00	ug/L	1					
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1					
Toluene	BJ	0.600	0.250	1.00	ug/L	1					
Trichloroethylene	U	ND	0.250	1.00	ug/L	1					
Vinyl acetate	U	ND	1.50	5.00	ug/L	1					
Vinyl chloride	U	ND	0.500	1.00	ug/L	1					
Xylenes (total)	U	ND	0.300	1.00	ug/L	1					
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1					
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1					

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088931-001
Sample ID: 251783001

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	---------	------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 8260B DOE-AL		

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.8 ug/L	50.0	91.7	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	49.0 ug/L	50.0	98.0	(77%–123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.6 ug/L	50.0	99.1	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID:	088935-001	Project:	SNLSGWater
Sample ID:	251783013	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	26-APR-10 13:17		
Receive Date:	27-APR-10	Client Desc.:	MWL-TB6
Collector:	Client	Vol. Recv.:	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXY1 05/01/10	1156	980118	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	BJ	0.660	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS–0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088935–001 Project: SNLSGWater
 Sample ID: 251783013 Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE–AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2–Dichloroethane–d4	8260B TCL Liquid "As Received"	44.1 ug/L	50.0	88.3	(72%–132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.3 ug/L	50.0	96.6	(77%–123%)
Toluene–d8	8260B TCL Liquid "As Received"	49.0 ug/L	50.0	97.9	(76%–122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 – (843) 556–8171 – www.gel.com

QC Summary

Report Date: May 11, 2010
Page 1 of 5

Sandia National Laboratories
MS–0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico
Contact: Ms. Pamela M. Puissant

Workorder: 251783

Parname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date T
Volatile–GC/MS									
Batch	980118								
QC1202107279	LCS								
1,1,1–Trichloroethane	50.0		44.5	ug/L		88.9	(73%–132%)	RXY1	05/01/10
1,1,2,2–Tetrachloroethane	50.0		46.7	ug/L		93.4	(69%–120%)		
1,1,2–Trichloroethane	50.0		43.9	ug/L		87.9	(74%–120%)		
1,1–Dichloroethane	50.0		42.7	ug/L		85.5	(75%–121%)		
1,1–Dichloroethylene	50.0		43.1	ug/L		86.2	(71%–130%)		
1,2–Dichloroethane	50.0		42.1	ug/L		84.2	(66%–123%)		
1,2–Dichloropropane	50.0		43.5	ug/L		87	(75%–120%)		
2–Butanone	250		204	ug/L		81.7	(30%–145%)		
2–Hexanone	250		223	ug/L		89.2	(30%–149%)		
4–Methyl–2–pentanone	250		237	ug/L		94.7	(57%–132%)		
Acetone	250		226	ug/L		90.4	(30%–152%)		
Benzene	50.0		42.8	ug/L		85.7	(74%–120%)		
Bromodichloromethane	50.0		44.5	ug/L		89	(76%–129%)		
Bromoform	50.0		51.7	ug/L		103	(67%–134%)		
Bromomethane	50.0		42.7	ug/L		85.3	(70%–129%)		
Carbon disulfide	250		224	ug/L		89.5	(74%–137%)		
Carbon tetrachloride	50.0		47.2	ug/L		94.4	(73%–139%)		
Chlorobenzene	50.0		43.9	ug/L		87.8	(77%–120%)		
Chloroethane	50.0		42.5	ug/L		84.9	(69%–128%)		
Chloroform	50.0		42.3	ug/L		84.6	(75%–120%)		
Chloromethane	50.0		42.0	ug/L		84	(57%–131%)		
Dibromochloromethane	50.0		46.9	ug/L		93.7	(74%–128%)		
Ethylbenzene	50.0		43.2	ug/L		86.4	(74%–120%)		
Methylene chloride	50.0		44.8	ug/L		89.5	(70%–124%)		
Styrene	50.0		45.2	ug/L		90.5	(74%–128%)		
Tetrachloroethylene	50.0		42.6	ug/L		85.2	(73%–124%)		
Toluene	50.0	B	43.8	ug/L		87.7	(74%–120%)		
Trichloroethylene	50.0		44.1	ug/L		88.2	(78%–123%)		
Vinyl acetate	250		255	ug/L		102	(62%–143%)		
Vinyl chloride	50.0		44.5	ug/L		88.9	(68%–129%)		
Xylenes (total)	150		133	ug/L		88.4	(76%–122%)		
cis–1,2–Dichloroethylene	50.0		42.7	ug/L		85.4	(76%–125%)		
cis–1,3–Dichloropropylene	50.0		45.4	ug/L		90.7	(78%–129%)		
trans–1,2–Dichloroethylene	50.0		41.8	ug/L		83.5	(73%–122%)		
trans–1,3–Dichloropropylene	50.0		47.6	ug/L		95.2	(77%–126%)		
**1,2–Dichloroethane–d4	50.0		44.3	ug/L		88.5	(72%–132%)		

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 – (843) 556-8171 – www.gel.com

QC Summary

Workorder: 251783

Page 2 of 5

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date T
Volatile-GC/MS									
Batch	980118								
**Bromofluorobenzene	50.0		48.7	ug/L		97.4	(77%–123%)		
**Toluene-d8	50.0		49.1	ug/L		98.3	(76%–122%)	RXY1	05/01/10
QC1202107276 MB									
1,1,1-Trichloroethane		U	ND	ug/L					05/01/10
1,1,2,2-Tetrachloroethane		U	ND	ug/L					
1,1,2-Trichloroethane		U	ND	ug/L					
1,1-Dichloroethane		U	ND	ug/L					
1,1-Dichloroethylene		U	ND	ug/L					
1,2-Dichloroethane		U	ND	ug/L					
1,2-Dichloropropane		U	ND	ug/L					
2-Butanone		U	ND	ug/L					
2-Hexanone		U	ND	ug/L					
4-Methyl-2-pentanone		U	ND	ug/L					
Acetone		U	ND	ug/L					
Benzene		U	ND	ug/L					
Bromodichloromethane		U	ND	ug/L					
Bromoform		U	ND	ug/L					
Bromomethane		U	ND	ug/L					
Carbon disulfide		U	ND	ug/L					
Carbon tetrachloride		U	ND	ug/L					
Chlorobenzene		U	ND	ug/L					
Chloroethane		U	ND	ug/L					
Chloroform		U	ND	ug/L					
Chloromethane		U	ND	ug/L					
Dibromochloromethane		U	ND	ug/L					
Ethylbenzene		U	ND	ug/L					
Methylene chloride		U	ND	ug/L					
Styrene		U	ND	ug/L					
Tetrachloroethylene		U	ND	ug/L					
Toluene		J	0.350	ug/L					
Trichloroethylene		U	ND	ug/L					
Vinyl acetate		U	ND	ug/L					
Vinyl chloride		U	ND	ug/L					
Xylenes (total)		U	ND	ug/L					
cis-1,2-Dichloroethylene		U	ND	ug/L					
cis-1,3-Dichloropropylene		U	ND	ug/L					
trans-1,2-Dichloroethylene		U	ND	ug/L					
trans-1,3-Dichloropropylene		U	ND	ug/L					
**1,2-Dichloroethane-d4	50.0		47.0	ug/L		94	(72%–132%)		
**Bromofluorobenzene	50.0		50.4	ug/L		101	(77%–123%)		
**Toluene-d8	50.0		51.3	ug/L		103	(76%–122%)		
QC1202107277 251783001 PS									

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 – (843) 556-8171 – www.gel.com

QC Summary

Workorder: 251783

Page 3 of 5

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date T
Volatile-GC/MS										
Batch	980118									
1,1,1-Trichloroethane	50.0	U	ND	41.5	ug/L		83.1	(66%–132%)		05/01/10
1,1,2,2-Tetrachloroethane	50.0	U	ND	46.5	ug/L		93.1	(65%–124%)	RXYI	
1,1,2-Trichloroethane	50.0	U	ND	45.1	ug/L		90.3	(66%–123%)		
1,1-Dichloroethane	50.0	U	ND	42.6	ug/L		85.1	(58%–132%)		
1,1-Dichloroethylene	50.0	U	ND	40.8	ug/L		81.6	(59%–128%)		
1,2-Dichloroethane	50.0	U	ND	42.2	ug/L		84.4	(60%–127%)		
1,2-Dichloropropane	50.0	U	ND	45.2	ug/L		90.4	(69%–122%)		
2-Butanone	250	U	ND	161	ug/L		64.3	(11%–118%)		
2-Hexanone	250	U	ND	164	ug/L		65.5	(25%–125%)		
4-Methyl-2-pentanone	250	U	ND	219	ug/L		87.6	(52%–130%)		
Acetone	250	U	ND	119	ug/L		47.6	(15%–142%)		
Benzene	50.0	U	ND	44.4	ug/L		88.7	(65%–119%)		
Bromodichloromethane	50.0	U	ND	46.4	ug/L		92.8	(67%–134%)		
Bromoform	50.0	U	ND	48.5	ug/L		97.1	(59%–140%)		
Bromomethane	50.0	U	ND	43.7	ug/L		87.3	(50%–140%)		
Carbon disulfide	250	U	ND	225	ug/L		90.1	(62%–135%)		
Carbon tetrachloride	50.0	U	ND	44.5	ug/L		89	(61%–137%)		
Chlorobenzene	50.0	U	ND	45.1	ug/L		90.2	(74%–116%)		
Chloroethane	50.0	U	ND	40.6	ug/L		81.2	(60%–125%)		
Chloroform	50.0	U	ND	43.6	ug/L		87.3	(68%–130%)		
Chloromethane	50.0	U	ND	40.3	ug/L		80.7	(47%–135%)		
Dibromochloromethane	50.0	U	ND	47.6	ug/L		95.1	(66%–132%)		
Ethylbenzene	50.0	U	ND	43.7	ug/L		87.3	(59%–125%)		
Methylene chloride	50.0	U	ND	45.8	ug/L		91.6	(63%–122%)		
Styrene	50.0	U	ND	46.1	ug/L		92.1	(54%–138%)		
Tetrachloroethylene	50.0	U	ND	40.8	ug/L		81.7	(63%–121%)		
Toluene	50.0	BJ	0.600	B	44.4	ug/L	87.5	(64%–116%)		
Trichloroethylene	50.0	U	ND	44.2	ug/L		88.5	(68%–121%)		
Vinyl acetate	250	U	ND	216	ug/L		86.2	(56%–151%)		
Vinyl chloride	50.0	U	ND	41.4	ug/L		82.8	(51%–136%)		
Xylenes (total)	150	U	ND	135	ug/L		90.1	(47%–144%)		
cis-1,2-Dichloroethylene	50.0	U	ND	42.5	ug/L		85	(63%–132%)		
cis-1,3-Dichloropropylene	50.0	U	ND	45.4	ug/L		90.7	(64%–133%)		
trans-1,2-Dichloroethylene	50.0	U	ND	40.4	ug/L		80.7	(64%–120%)		
trans-1,3-Dichloropropylene	50.0	U	ND	44.9	ug/L		89.8	(63%–133%)		
**1,2-Dichloroethane-d4	50.0		45.8		44.0	ug/L	88	(72%–132%)		
**Bromofluorobenzene	50.0		49.0		44.3	ug/L	88.5	(77%–123%)		
**Toluene-d8	50.0		49.6		48.1	ug/L	96.1	(76%–122%)		
QC1202107278 251783001 PSD										
1,1,1-Trichloroethane	50.0	U	ND	42.3	ug/L	1.88	84.7	(0%–20%)		05/01/10
1,1,2,2-Tetrachloroethane	50.0	U	ND	47.5	ug/L	2.10	95.1	(0%–20%)		
1,1,2-Trichloroethane	50.0	U	ND	45.1	ug/L	0.0443	90.2	(0%–20%)		

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 – (843) 556–8171 – www.gel.com

QC Summary

Workorder: 251783

Page 4 of 5

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date
Volatile–GC/MS										
Batch	980118									
1,1–Dichloroethane	50.0	U	ND	43.0	ug/L	0.912	85.9	(0%–20%)		
1,1–Dichloroethylene	50.0	U	ND	40.1	ug/L	1.66	80.3	(0%–20%)	RXY1	05/01/10
1,2–Dichloroethane	50.0	U	ND	43.5	ug/L	2.97	86.9	(0%–20%)		
1,2–Dichloropropane	50.0	U	ND	45.2	ug/L	0.0885	90.3	(0%–20%)		
2–Butanone	250	U	ND	182	ug/L	12.3	72.8	(0%–20%)		
2–Hexanone	250	U	ND	181	ug/L	10.3	72.6	(0%–20%)		
4–Methyl–2–pentanone	250	U	ND	244	ug/L	10.9	97.7	(0%–20%)		
Acetone	250	U	ND	133	ug/L	11.2	53.3	(0%–20%)		
Benzene	50.0	U	ND	43.4	ug/L	2.14	86.8	(0%–20%)		
Bromodichloromethane	50.0	U	ND	47.1	ug/L	1.48	94.2	(0%–20%)		
Bromoform	50.0	U	ND	50.1	ug/L	3.12	100	(0%–20%)		
Bromomethane	50.0	U	ND	43.5	ug/L	0.390	87	(0%–20%)		
Carbon disulfide	250	U	ND	219	ug/L	2.62	87.8	(0%–20%)		
Carbon tetrachloride	50.0	U	ND	43.7	ug/L	1.86	87.3	(0%–20%)		
Chlorobenzene	50.0	U	ND	44.9	ug/L	0.489	89.8	(0%–20%)		
Chloroethane	50.0	U	ND	42.0	ug/L	3.37	84	(0%–20%)		
Chloroform	50.0	U	ND	43.0	ug/L	1.57	85.9	(0%–20%)		
Chloromethane	50.0	U	ND	41.5	ug/L	2.93	83.1	(0%–20%)		
Dibromochloromethane	50.0	U	ND	49.4	ug/L	3.73	98.7	(0%–20%)		
Ethylbenzene	50.0	U	ND	42.3	ug/L	3.19	84.6	(0%–20%)		
Methylene chloride	50.0	U	ND	45.3	ug/L	1.14	90.6	(0%–20%)		
Styrene	50.0	U	ND	45.0	ug/L	2.42	89.9	(0%–20%)		
Tetrachloroethylene	50.0	U	ND	39.3	ug/L	3.89	78.6	(0%–20%)		
Toluene	50.0	BJ	0.600	B	43.3	ug/L	2.51	85.3	(0%–20%)	
Trichloroethylene	50.0	U	ND	43.3	ug/L	2.26	86.5	(0%–20%)		
Vinyl acetate	250	U	ND	228	ug/L	5.75	91.3	(0%–20%)		
Vinyl chloride	50.0	U	ND	41.6	ug/L	0.362	83.1	(0%–20%)		
Xylenes (total)	150	U	ND	130	ug/L	3.69	86.8	(0%–20%)		
cis–1,2–Dichloroethylene	50.0	U	ND	42.2	ug/L	0.827	84.3	(0%–20%)		
cis–1,3–Dichloropropylene	50.0	U	ND	46.3	ug/L	2.14	92.7	(0%–20%)		
trans–1,2–Dichloroethylene	50.0	U	ND	40.6	ug/L	0.593	81.2	(0%–20%)		
trans–1,3–Dichloropropylene	50.0	U	ND	46.0	ug/L	2.49	92	(0%–20%)		
**1,2–Dichloroethane–d4	50.0		45.8		ug/L		90.1	(72%–132%)		
**Bromofluorobenzene	50.0		49.0		ug/L		90.8	(77%–123%)		
**Toluene–d8	50.0		49.6		ug/L		96.5	(76%–122%)		

Notes:

RER is calculated at the 95% confidence level (2–sigma).

The Qualifiers in this report are defined as follows:

- * Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.
- ** Indicates analyte is a surrogate compound.

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 – (843) 556–8171 – www.gel.com

QC Summary

Workorder: 251783

Page 5 of 5

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	T
<											
B											
H											
J											
L											
P											
U											
X											
X											
X											
X											
X											
X											
X											
Z											
Z											
d											
h											

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report for

SNLS003 Sandia National Labs (691436)

Client SDG: 251783-1 GEL Work Order: 252009

The Qualifiers in this report are defined as follows:

* Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.

** Indicates analyte is a surrogate compound.

U Analyzed for but undetected

U The analyte was analyzed for but not detected below this concentration. For Organic and Inorganic analytes the result is less than the effective MDL. For radiochemical analytes the result is less than the Decision Level

DL Indicates that sample is diluted.

RA Indicates that sample is re-analyzed without re-extraction.

RE Indicates that sample is re-extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this case narrative:

Signature:



Name: Stacy Calloway

Date: 25 MAY 2010

Title: Data Validator

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID:	088945-001	Project:	SNLSGWater
Sample ID:	252009001	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	28-APR-10 08:13	Client Desc.:	MWL-MW4
Receive Date:	30-APR-10	Vol. Recv.:	
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 05/08/10	0022	982228	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088945-001
Sample ID: 252009001

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	47.9 ug/L	50.0	95.8	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	54.0 ug/L	50.0	108	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088946-001
Sample ID: 252009002
Matrix: AQUEOUS
Collect Date: 28-APR-10 08:23
Receive Date: 30-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW4
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 05/08/10	0051	982228	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088946-001
Sample ID: 252009002

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
--------	-------------	------------------

1	SW846 8260B DOE-AL	
---	--------------------	--

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.2 ug/L	50.0	92.5	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	53.4 ug/L	50.0	107	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.9 ug/L	50.0	99.7	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088947-001
Sample ID: 252009003
Matrix: AQUEOUS
Collect Date: 28-APR-10 08:34
Receive Date: 30-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW4
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 05/08/10	0120	982228	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088947-001
Sample ID: 252009003

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	47.5 ug/L	50.0	95.0	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	54.2 ug/L	50.0	108	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.0 ug/L	50.0	100	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088951-001
Sample ID: 252009004
Matrix: AQUEOUS
Collect Date: 28-APR-10 08:13
Receive Date: 30-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-TB10
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 05/08/10	0149	982228	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088951-001
Sample ID: 252009004

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
--------	-------------	------------------

1	SW846 8260B DOE-AL	
---	--------------------	--

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.4 ug/L	50.0	92.7	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	54.0 ug/L	50.0	108	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.5 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088949-001
Sample ID: 252009005
Matrix: AQUEOUS
Collect Date: 29-APR-10 08:22
Receive Date: 30-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW4
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 05/08/10	0218	982228	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088949-001
Sample ID: 252009005

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.8 ug/L	50.0	91.6	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	54.3 ug/L	50.0	109	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088950-001
Sample ID: 252009006
Matrix: AQUEOUS
Collect Date: 29-APR-10 08:15
Receive Date: 30-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-FB2
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 05/08/10	0246	982228	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane		3.27	0.250	1.00	ug/L	1				
Bromoform		1.24	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform		1.59	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane		3.70	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088950-001
Sample ID: 252009006

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	48.4 ug/L	50.0	96.9	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	53.6 ug/L	50.0	107	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.8 ug/L	50.0	102	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088948-001
Sample ID: 252009007
Matrix: AQUEOUS
Collect Date: 29-APR-10 08:22
Receive Date: 30-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-TB9
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 05/08/10	0315	982228	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 19, 2010

Client Sample ID: 088948-001
Sample ID: 252009007

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.7 ug/L	50.0	93.3	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	54.4 ug/L	50.0	109	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: May 19, 2010

Page 1 of 5

Sandia National Laboratories
MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE

Albuquerque, New Mexico

Contact: Ms. Pamela M. Puissant

Workorder: 252009

Parname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Volatile-GC/MS									
Batch	982228								
QC1202112131	LCS								
1,1,1-Trichloroethane	50.0		56.2	ug/L		112	(73%-132%)	KXO1	05/07/10 19:03
1,1,2,2-Tetrachloroethane	50.0		52.3	ug/L		105	(69%-120%)		
1,1,2-Trichloroethane	50.0		51.2	ug/L		102	(74%-120%)		
1,1-Dichloroethane	50.0		52.3	ug/L		105	(75%-121%)		
1,1-Dichloroethylene	50.0		52.6	ug/L		105	(71%-130%)		
1,2-Dichloroethane	50.0		53.7	ug/L		107	(66%-123%)		
1,2-Dichloropropane	50.0		50.6	ug/L		101	(75%-120%)		
2-Butanone	250		264	ug/L		105	(30%-145%)		
2-Hexanone	250		268	ug/L		107	(30%-149%)		
4-Methyl-2-pentanone	250		266	ug/L		106	(57%-132%)		
Acetone	250		303	ug/L		121	(30%-152%)		
Benzene	50.0		50.8	ug/L		102	(74%-120%)		
Bromodichloromethane	50.0		53.7	ug/L		107	(76%-129%)		
Bromoform	50.0		51.9	ug/L		104	(67%-134%)		
Bromomethane	50.0		52.8	ug/L		106	(70%-129%)		
Carbon disulfide	250		276	ug/L		110	(74%-137%)		
Carbon tetrachloride	50.0		57.9	ug/L		116	(73%-139%)		
Chlorobenzene	50.0		49.8	ug/L		99.7	(77%-120%)		
Chloroethane	50.0		53.3	ug/L		107	(69%-128%)		
Chloroform	50.0		53.6	ug/L		107	(75%-120%)		
Chloromethane	50.0		44.7	ug/L		89.4	(57%-131%)		
Dibromochloromethane	50.0		53.4	ug/L		107	(74%-128%)		
Ethylbenzene	50.0		52.2	ug/L		104	(74%-120%)		
Methylene chloride	50.0		52.7	ug/L		105	(70%-124%)		
Styrene	50.0		49.0	ug/L		98	(74%-128%)		
Tetrachloroethylene	50.0		53.2	ug/L		106	(73%-124%)		
Toluene	50.0		51.2	ug/L		102	(74%-120%)		
Trichloroethylene	50.0		54.4	ug/L		109	(78%-123%)		
Vinyl acetate	250		271	ug/L		108	(62%-143%)		
Vinyl chloride	50.0		50.9	ug/L		102	(68%-129%)		
Xylenes (total)	150		149	ug/L		99.2	(76%-122%)		
cis-1,2-Dichloroethylene	50.0		52.2	ug/L		104	(76%-125%)		
cis-1,3-Dichloropropylene	50.0		52.6	ug/L		105	(78%-129%)		
trans-1,2-Dichloroethylene	50.0		53.3	ug/L		107	(73%-122%)		
trans-1,3-Dichloropropylene	50.0		55.4	ug/L		111	(77%-126%)		
**1,2-Dichloroethane-d4	50.0		48.0	ug/L		96	(72%-132%)		

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 252009

Page 2 of 5

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch		982228									
**Bromofluorobenzene	50.0			51.0	ug/L		102	(77%-123%)			
**Toluene-d8	50.0			49.4	ug/L		98.8	(76%-122%)	KXO1	05/07/10	19:03
QC1202112128			MB								
1,1,1-Trichloroethane			U	ND	ug/L					05/07/10	20:30
1,1,2,2-Tetrachloroethane			U	ND	ug/L						
1,1,2-Trichloroethane			U	ND	ug/L						
1,1-Dichloroethane			U	ND	ug/L						
1,1-Dichloroethylene			U	ND	ug/L						
1,2-Dichloroethane			U	ND	ug/L						
1,2-Dichloropropane			U	ND	ug/L						
2-Butanone			U	ND	ug/L						
2-Hexanone			U	ND	ug/L						
4-Methyl-2-pentanone			U	ND	ug/L						
Acetone			U	ND	ug/L						
Benzene			U	ND	ug/L						
Bromodichloromethane			U	ND	ug/L						
Bromoform			U	ND	ug/L						
Bromomethane			U	ND	ug/L						
Carbon disulfide			U	ND	ug/L						
Carbon tetrachloride			U	ND	ug/L						
Chlorobenzene			U	ND	ug/L						
Chloroethane			U	ND	ug/L						
Chloroform			U	ND	ug/L						
Chloromethane			U	ND	ug/L						
Dibromochloromethane			U	ND	ug/L						
Ethylbenzene			U	ND	ug/L						
Methylene chloride			U	ND	ug/L						
Styrene			U	ND	ug/L						
Tetrachloroethylene			U	ND	ug/L						
Toluene			U	ND	ug/L						
Trichloroethylene			U	ND	ug/L						
Vinyl acetate			U	ND	ug/L						
Vinyl chloride			U	ND	ug/L						
Xylenes (total)			U	ND	ug/L						
cis-1,2-Dichloroethylene			U	ND	ug/L						
cis-1,3-Dichloropropylene			U	ND	ug/L						
trans-1,2-Dichloroethylene			U	ND	ug/L						
trans-1,3-Dichloropropylene			U	ND	ug/L						
**1,2-Dichloroethane-d4	50.0			48.7	ug/L		97.5	(72%-132%)			
**Bromofluorobenzene	50.0			54.5	ug/L		109	(77%-123%)			
**Toluene-d8	50.0			50.3	ug/L		101	(76%-122%)			
QC1202112129		252009001	PS								

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 252009

Page 3 of 5

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	982228										
1,1,1-Trichloroethane	50.0	U	ND	52.6	ug/L		105	(66%-132%)		05/08/10	03:44
1,1,2,2-Tetrachloroethane	50.0	U	ND	49.9	ug/L		99.8	(65%-124%)	KXO1		
1,1,2-Trichloroethane	50.0	U	ND	51.1	ug/L		102	(66%-123%)			
1,1-Dichloroethane	50.0	U	ND	50.7	ug/L		101	(58%-132%)			
1,1-Dichloroethylene	50.0	U	ND	46.7	ug/L		93.4	(59%-128%)			
1,2-Dichloroethane	50.0	U	ND	55.3	ug/L		111	(60%-127%)			
1,2-Dichloropropane	50.0	U	ND	49.6	ug/L		99.3	(69%-122%)			
2-Butanone	250	U	ND	150	ug/L		60.2	(11%-118%)			
2-Hexanone	250	U	ND	177	ug/L		70.9	(25%-125%)			
4-Methyl-2-pentanone	250	U	ND	174	ug/L		69.4	(52%-130%)			
Acetone	250	U	ND	120	ug/L		48.2	(15%-142%)			
Benzene	50.0	U	ND	48.1	ug/L		96.3	(65%-119%)			
Bromodichloromethane	50.0	U	ND	52.9	ug/L		106	(67%-134%)			
Bromoform	50.0	U	ND	50.6	ug/L		101	(59%-140%)			
Bromomethane	50.0	U	ND	57.1	ug/L		114	(50%-140%)			
Carbon disulfide	250	U	ND	259	ug/L		103	(62%-135%)			
Carbon tetrachloride	50.0	U	ND	54.7	ug/L		109	(61%-137%)			
Chlorobenzene	50.0	U	ND	48.3	ug/L		96.5	(74%-116%)			
Chloroethane	50.0	U	ND	50.2	ug/L		100	(60%-125%)			
Chloroform	50.0	U	ND	52.3	ug/L		105	(68%-130%)			
Chloromethane	50.0	U	ND	42.2	ug/L		84.3	(47%-135%)			
Dibromochloromethane	50.0	U	ND	53.8	ug/L		108	(66%-132%)			
Ethylbenzene	50.0	U	ND	49.1	ug/L		98.2	(59%-125%)			
Methylene chloride	50.0	U	ND	52.0	ug/L		104	(63%-122%)			
Styrene	50.0	U	ND	42.6	ug/L		85.1	(54%-138%)			
Tetrachloroethylene	50.0	U	ND	48.8	ug/L		97.6	(63%-121%)			
Toluene	50.0	U	ND	48.6	ug/L		97.2	(64%-116%)			
Trichloroethylene	50.0	U	ND	50.3	ug/L		101	(68%-121%)			
Vinyl acetate	250	U	ND	203	ug/L		81.3	(56%-151%)			
Vinyl chloride	50.0	U	ND	49.4	ug/L		98.9	(51%-136%)			
Xylenes (total)	150	U	ND	139	ug/L		92.8	(47%-144%)			
cis-1,2-Dichloroethylene	50.0	U	ND	49.7	ug/L		99.4	(63%-132%)			
cis-1,3-Dichloropropylene	50.0	U	ND	48.8	ug/L		97.6	(64%-133%)			
trans-1,2-Dichloroethylene	50.0	U	ND	49.4	ug/L		98.8	(64%-120%)			
trans-1,3-Dichloropropylene	50.0	U	ND	52.6	ug/L		105	(63%-133%)			
**1,2-Dichloroethane-d4	50.0		47.9	47.5	ug/L		95	(72%-132%)			
**Bromofluorobenzene	50.0		54.0	50.3	ug/L		101	(77%-123%)			
**Toluene-d8	50.0		50.2	49.7	ug/L		99.3	(76%-122%)			
QC1202112130 252009001 PSD											
1,1,1-Trichloroethane	50.0	U	ND	51.4	ug/L	2.31	103	(0%-20%)		05/08/10	04:13
1,1,2,2-Tetrachloroethane	50.0	U	ND	50.2	ug/L	0.480	100	(0%-20%)			
1,1,2-Trichloroethane	50.0	U	ND	50.3	ug/L	1.52	101	(0%-20%)			

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 252009

Page 4 of 5

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	982228										
1,1-Dichloroethane	50.0	U	ND	50.3	ug/L	0.773	101	(0%-20%)			
1,1-Dichloroethylene	50.0	U	ND	46.8	ug/L	0.278	93.7	(0%-20%)	KXO1	05/08/10	04:13
1,2-Dichloroethane	50.0	U	ND	53.9	ug/L	2.71	108	(0%-20%)			
1,2-Dichloropropane	50.0	U	ND	49.6	ug/L	0.0403	99.2	(0%-20%)			
2-Butanone	250	U	ND	147	ug/L	2.33	58.8	(0%-20%)			
2-Hexanone	250	U	ND	175	ug/L	1.43	69.9	(0%-20%)			
4-Methyl-2-pentanone	250	U	ND	173	ug/L	0.312	69.2	(0%-20%)			
Acetone	250	U	ND	119	ug/L	1.47	47.5	(0%-20%)			
Benzene	50.0	U	ND	47.4	ug/L	1.57	94.8	(0%-20%)			
Bromodichloromethane	50.0	U	ND	53.5	ug/L	1.13	107	(0%-20%)			
Bromoform	50.0	U	ND	51.1	ug/L	1.02	102	(0%-20%)			
Bromomethane	50.0	U	ND	57.6	ug/L	0.906	115	(0%-20%)			
Carbon disulfide	250	U	ND	251	ug/L	3.15	100	(0%-20%)			
Carbon tetrachloride	50.0	U	ND	53.5	ug/L	2.24	107	(0%-20%)			
Chlorobenzene	50.0	U	ND	47.2	ug/L	2.16	94.5	(0%-20%)			
Chloroethane	50.0	U	ND	47.7	ug/L	4.96	95.5	(0%-20%)			
Chloroform	50.0	U	ND	51.5	ug/L	1.52	103	(0%-20%)			
Chloromethane	50.0	U	ND	41.3	ug/L	1.94	82.7	(0%-20%)			
Dibromochloromethane	50.0	U	ND	52.8	ug/L	1.88	106	(0%-20%)			
Ethylbenzene	50.0	U	ND	48.0	ug/L	2.27	96	(0%-20%)			
Methylene chloride	50.0	U	ND	50.9	ug/L	2.23	102	(0%-20%)			
Styrene	50.0	U	ND	45.3	ug/L	6.28	90.7	(0%-20%)			
Tetrachloroethylene	50.0	U	ND	47.9	ug/L	1.80	95.9	(0%-20%)			
Toluene	50.0	U	ND	47.9	ug/L	1.41	95.9	(0%-20%)			
Trichloroethylene	50.0	U	ND	49.5	ug/L	1.54	99	(0%-20%)			
Vinyl acetate	250	U	ND	202	ug/L	0.528	80.8	(0%-20%)			
Vinyl chloride	50.0	U	ND	47.6	ug/L	3.84	95.1	(0%-20%)			
Xylenes (total)	150	U	ND	139	ug/L	0.0647	92.7	(0%-20%)			
cis-1,2-Dichloroethylene	50.0	U	ND	49.2	ug/L	1.03	98.4	(0%-20%)			
cis-1,3-Dichloropropylene	50.0	U	ND	49.0	ug/L	0.388	98	(0%-20%)			
trans-1,2-Dichloroethylene	50.0	U	ND	48.8	ug/L	1.34	97.5	(0%-20%)			
trans-1,3-Dichloropropylene	50.0	U	ND	52.9	ug/L	0.626	106	(0%-20%)			
**1,2-Dichloroethane-d4	50.0		47.9	46.9	ug/L		93.9	(72%-132%)			
**Bromofluorobenzene	50.0		54.0	51.8	ug/L		104	(77%-123%)			
**Toluene-d8	50.0		50.2	50.6	ug/L		101	(76%-122%)			

Notes:

RER is calculated at the 95% confidence level (2-sigma).

The Qualifiers in this report are defined as follows:

- * Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.
- ** Indicates analyte is a surrogate compound.

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 252009

Page 5 of 5

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
B											
The analyte was found in the blank above the effective MDL.											
H											
Analytical holding time was exceeded											
J											
Estimated value, the analyte concentration fell above the effective MDL and below the effective PQL											
P											
The response between the confirmation column and the primary column is >40%D											
U											
The analyte was analyzed for but not detected below this concentration. For Organic and Inorganic analytes the result is less than the effective MDL. For radiochemical analytes the result is less than the Decision Level											
X											
Presumptive evidence that the analyte is not present. Please see narrative for further information.											
Z											
The percent difference is greater than 70%.											
d											
The 2:1 depletion requirement was not met for this sample											
h											
Prep holding time exceeded											

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Attachment 1

April 2010 MWL Groundwater Sampling Results Laboratory Certificates of Analysis for VOC Samples

MWL Groundwater samples:

MWL-MW5, MWL-MW6, MWL-MW7, and MWL-MW9

MWL Field Quality Control Samples:

MWL-FB1, MWL-EB1, and MWL-TB1 through 5

GC/MS Volatiles Sample and QC Summary Data

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report for

SNLS003 Sandia National Labs (691436)

Client SDG: 251426 GEL Work Order: 251426

The Qualifiers in this report are defined as follows:

* Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.

** Indicates analyte is a surrogate compound.

B The analyte was found in the blank above the effective MDL.

J Estimated value, the analyte concentration fell above the effective MDL and below the effective PQL

U Analyzed for but undetected

U The analyte was analyzed for but not detected below this concentration. For Organic and Inorganic analytes the result is less than the effective MDL. For radiochemical analytes the result is less than the Decision Level

DL Indicates that sample is diluted.

RA Indicates that sample is re-analyzed without re-extraction.

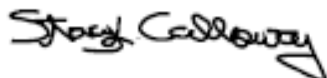
RE Indicates that sample is re-extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this case narrative:

Signature:



Name: Stacy Calloway

Date: 21 MAY 2010

Title: Data Validator

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088919-001
Sample ID: 251426036
Matrix: AQUEOUS
Collect Date: 20-APR-10 10:13
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW5
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0305	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.95	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088919-001
Sample ID: 251426036

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.7 ug/L	50.0	103	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.0 ug/L	50.0	100	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.4 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088920-001
Sample ID: 251426044
Matrix: AQUEOUS
Collect Date: 20-APR-10 10:13
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-TB3
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0333	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.95	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088920-001
Sample ID: 251426044

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.4 ug/L	50.0	103	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.6 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088912-001
Sample ID: 251426015
Matrix: AQUEOUS
Collect Date: 19-APR-10 11:45
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-EB1
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/28/10	2327	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane		2.67	0.250	1.00	ug/L	1				
Bromoform		1.63	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform		1.52	0.250	1.00	ug/L	1				
Chloromethane	J	0.300	0.300	1.00	ug/L	1				
Dibromochloromethane		3.79	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088912-001
Sample ID: 251426015

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.9 ug/L	50.0	93.8	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	61.2 ug/L	50.0	122	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	51.6 ug/L	50.0	103	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088913-001
Sample ID: 251426023
Matrix: AQUEOUS
Collect Date: 19-APR-10 11:45
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-TB2
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0019	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.87	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088913-001
Sample ID: 251426023

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	52.8 ug/L	50.0	106	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	52.0 ug/L	50.0	104	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	51.6 ug/L	50.0	103	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088914-001
Sample ID: 251426024
Matrix: AQUEOUS
Collect Date: 20-APR-10 08:17
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW5
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0047	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.75	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088914-001
Sample ID: 251426024

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	50.9 ug/L	50.0	102	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	51.0 ug/L	50.0	102	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.3 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088915-001
Sample ID: 251426025
Matrix: AQUEOUS
Collect Date: 20-APR-10 08:41
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW5
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0114	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.81	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088915-001
Sample ID: 251426025

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	52.7 ug/L	50.0	105	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	51.2 ug/L	50.0	102	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.7 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088916-001
Sample ID: 251426026
Matrix: AQUEOUS
Collect Date: 20-APR-10 09:11
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW5
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0142	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.88	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088916-001
Sample ID: 251426026

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.8 ug/L	50.0	104	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.8 ug/L	50.0	102	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.8 ug/L	50.0	102	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088917-001
Sample ID: 251426027
Matrix: AQUEOUS
Collect Date: 20-APR-10 09:42
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW5
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0210	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.80	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088917-001
Sample ID: 251426027

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	52.4 ug/L	50.0	105	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.3 ug/L	50.0	101	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.4 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088918-001
Sample ID: 251426028
Matrix: AQUEOUS
Collect Date: 20-APR-10 10:13
Receive Date: 21-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW5
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/30/10	0238	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.95	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088918-001
Sample ID: 251426028

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	53.6 ug/L	50.0	107	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	51.7 ug/L	50.0	103	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	51.2 ug/L	50.0	102	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088907-001
Sample ID: 251426003
Matrix: AQUEOUS
Collect Date: 19-APR-10 09:10
Receive Date: 20-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW6
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/28/10	2103	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	J	0.680	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088907-001
Sample ID: 251426003

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.0 ug/L	50.0	92.0	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	60.0 ug/L	50.0	120	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	52.2 ug/L	50.0	104	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088908-001
Sample ID: 251426004
Matrix: AQUEOUS
Collect Date: 19-APR-10 09:40
Receive Date: 20-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW6
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/28/10	2132	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088908-001
Sample ID: 251426004

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	46.3 ug/L	50.0	92.7	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	59.3 ug/L	50.0	119	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.3 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088909-001
Sample ID: 251426005
Matrix: AQUEOUS
Collect Date: 19-APR-10 10:10
Receive Date: 20-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW6
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/29/10	2323	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	J	7.91	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088909-001
Sample ID: 251426005

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.1 ug/L	50.0	100	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.6 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
 Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
 1515 Eubank SE
 Albuquerque, New Mexico 87123
 Contact: Ms. Pamela M. Puissant
 Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID:	088910-001	Project:	SNLSGWater
Sample ID:	251426013	Client ID:	SNLS003
Matrix:	AQUEOUS		
Collect Date:	19-APR-10 09:45		
Receive Date:	20-APR-10	Client Desc.:	MWL-FB1
Collector:	Client	Vol. Recv.:	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/29/10	2351	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane		3.18	0.250	1.00	ug/L	1				
Bromoform		1.16	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform		1.74	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane		3.64	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	BJ	3.66	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088910-001
Sample ID: 251426013

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.5 ug/L	50.0	103	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	50.4 ug/L	50.0	101	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.2 ug/L	50.0	100	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088911-001
Sample ID: 251426014
Matrix: AQUEOUS
Collect Date: 19-APR-10 10:10
Receive Date: 20-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-TB1
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/28/10	2259	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088911-001
Sample ID: 251426014

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	45.7 ug/L	50.0	91.4	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	60.6 ug/L	50.0	121	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.8 ug/L	50.0	102	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088905-001
Sample ID: 251426001
Matrix: AQUEOUS
Collect Date: 19-APR-10 08:16
Receive Date: 20-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW6
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/28/10	2006	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088905-001
Sample ID: 251426001

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	49.3 ug/L	50.0	98.5	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	60.0 ug/L	50.0	120	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.7 ug/L	50.0	101	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088906-001
Sample ID: 251426002
Matrix: AQUEOUS
Collect Date: 19-APR-10 08:40
Receive Date: 20-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW6
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	KXO1 04/28/10	2034	979196	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 11, 2010

Client Sample ID: 088906-001
Sample ID: 251426002

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	47.7 ug/L	50.0	95.4	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	59.7 ug/L	50.0	119	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	51.0 ug/L	50.0	102	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: May 11, 2010
Page 1 of 7

Sandia National Laboratories
MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico

Contact: Ms. Pamela M. Puissant

Workorder: 251426

Parname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Volatile-GC/MS									
Batch	979196								
QC1202105073	LCS								
1,1,1-Trichloroethane	50.0		51.3	ug/L		103	(73%-132%)	KXO1	04/28/10 18:11
1,1,2,2-Tetrachloroethane	50.0		56.6	ug/L		113	(69%-120%)		
1,1,2-Trichloroethane	50.0		52.8	ug/L		106	(74%-120%)		
1,1-Dichloroethane	50.0		48.2	ug/L		96.4	(75%-121%)		
1,1-Dichloroethylene	50.0		50.3	ug/L		101	(71%-130%)		
1,2-Dichloroethane	50.0		46.3	ug/L		92.6	(66%-123%)		
1,2-Dichloropropane	50.0		49.0	ug/L		97.9	(75%-120%)		
2-Butanone	250		230	ug/L		91.9	(30%-145%)		
2-Hexanone	250		248	ug/L		99.2	(30%-149%)		
4-Methyl-2-pentanone	250		239	ug/L		95.5	(57%-132%)		
Acetone	250		201	ug/L		80.3	(30%-152%)		
Benzene	50.0		48.9	ug/L		97.9	(74%-120%)		
Bromodichloromethane	50.0		48.3	ug/L		96.5	(76%-129%)		
Bromoform	50.0		54.7	ug/L		109	(67%-134%)		
Bromomethane	50.0		48.4	ug/L		96.8	(70%-129%)		
Carbon disulfide	250		254	ug/L		102	(74%-137%)		
Carbon tetrachloride	50.0		52.1	ug/L		104	(73%-139%)		
Chlorobenzene	50.0		50.7	ug/L		101	(77%-120%)		
Chloroethane	50.0		53.0	ug/L		106	(69%-128%)		
Chloroform	50.0		46.7	ug/L		93.5	(75%-120%)		
Chloromethane	50.0		52.0	ug/L		104	(57%-131%)		
Dibromochloromethane	50.0		51.8	ug/L		104	(74%-128%)		
Ethylbenzene	50.0		57.7	ug/L		115	(74%-120%)		
Methylene chloride	50.0		42.6	ug/L		85.1	(70%-124%)		
Styrene	50.0		53.1	ug/L		106	(74%-128%)		
Tetrachloroethylene	50.0		52.2	ug/L		104	(73%-124%)		
Toluene	50.0		54.3	ug/L		109	(74%-120%)		
Trichloroethylene	50.0		49.3	ug/L		98.6	(78%-123%)		
Vinyl acetate	250		300	ug/L		120	(62%-143%)		
Vinyl chloride	50.0		59.6	ug/L		119	(68%-129%)		
Xylenes (total)	150		179	ug/L		119	(76%-122%)		
cis-1,2-Dichloroethylene	50.0		51.3	ug/L		103	(76%-125%)		
cis-1,3-Dichloropropylene	50.0		51.5	ug/L		103	(78%-129%)		
trans-1,2-Dichloroethylene	50.0		50.5	ug/L		101	(73%-122%)		
trans-1,3-Dichloropropylene	50.0		58.3	ug/L		117	(77%-126%)		
**1,2-Dichloroethane-d4	50.0		45.7	ug/L		91.4	(72%-132%)		

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251426

Page 2 of 7

Parname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS										
Batch	979196									
**Bromofluorobenzene	50.0		55.3	ug/L		111	(77%-123%)			
**Toluene-d8	50.0		52.0	ug/L		104	(76%-122%)	KXO1	04/28/10	18:11
QC1202106379	LCS									
1,1,1-Trichloroethane	50.0		55.6	ug/L		111	(73%-132%)		04/29/10	22:00
1,1,2,2-Tetrachloroethane	50.0		52.7	ug/L		105	(69%-120%)			
1,1,2-Trichloroethane	50.0		53.3	ug/L		107	(74%-120%)			
1,1-Dichloroethane	50.0		55.7	ug/L		111	(75%-121%)			
1,1-Dichloroethylene	50.0		53.8	ug/L		108	(71%-130%)			
1,2-Dichloroethane	50.0		53.3	ug/L		107	(66%-123%)			
1,2-Dichloropropane	50.0		55.6	ug/L		111	(75%-120%)			
2-Butanone	250		226	ug/L		90.3	(30%-145%)			
2-Hexanone	250		187	ug/L		74.9	(30%-149%)			
4-Methyl-2-pentanone	250		282	ug/L		113	(57%-132%)			
Acetone	250		245	ug/L		98	(30%-152%)			
Benzene	50.0		53.6	ug/L		107	(74%-120%)			
Bromodichloromethane	50.0		54.1	ug/L		108	(76%-129%)			
Bromoform	50.0		53.9	ug/L		108	(67%-134%)			
Bromomethane	50.0		50.4	ug/L		101	(70%-129%)			
Carbon disulfide	250		285	ug/L		114	(74%-137%)			
Carbon tetrachloride	50.0		57.2	ug/L		114	(73%-139%)			
Chlorobenzene	50.0		52.5	ug/L		105	(77%-120%)			
Chloroethane	50.0		53.3	ug/L		107	(69%-128%)			
Chloroform	50.0		53.6	ug/L		107	(75%-120%)			
Chloromethane	50.0		49.7	ug/L		99.5	(57%-131%)			
Dibromochloromethane	50.0		54.2	ug/L		108	(74%-128%)			
Ethylbenzene	50.0		53.2	ug/L		106	(74%-120%)			
Methylene chloride	50.0	B	57.1	ug/L		114	(70%-124%)			
Styrene	50.0		51.7	ug/L		103	(74%-128%)			
Tetrachloroethylene	50.0		52.1	ug/L		104	(73%-124%)			
Toluene	50.0		50.0	ug/L		100	(74%-120%)			
Trichloroethylene	50.0		53.1	ug/L		106	(78%-123%)			
Vinyl acetate	250		324	ug/L		130	(62%-143%)			
Vinyl chloride	50.0		48.1	ug/L		96.1	(68%-129%)			
Xylenes (total)	150		158	ug/L		105	(76%-122%)			
cis-1,2-Dichloroethylene	50.0		55.3	ug/L		111	(76%-125%)			
cis-1,3-Dichloropropylene	50.0		57.1	ug/L		114	(78%-129%)			
trans-1,2-Dichloroethylene	50.0		55.4	ug/L		111	(73%-122%)			
trans-1,3-Dichloropropylene	50.0		59.2	ug/L		118	(77%-126%)			
**1,2-Dichloroethane-d4	50.0		50.7	ug/L		101	(72%-132%)			
**Bromofluorobenzene	50.0		48.5	ug/L		97	(77%-123%)			
**Toluene-d8	50.0		50.0	ug/L		100	(76%-122%)			
QC1202105070	MB									

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251426

Page 3 of 7

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	979196										
1,1,1-Trichloroethane			U	ND	ug/L					04/28/10	19:37
1,1,1,2-Tetrachloroethane			U	ND	ug/L				KXO1		
1,1,2-Trichloroethane			U	ND	ug/L						
1,1-Dichloroethane			U	ND	ug/L						
1,1-Dichloroethylene			U	ND	ug/L						
1,2-Dichloroethane			U	ND	ug/L						
1,2-Dichloropropane			U	ND	ug/L						
2-Butanone			U	ND	ug/L						
2-Hexanone			U	ND	ug/L						
4-Methyl-2-pentanone			U	ND	ug/L						
Acetone			U	ND	ug/L						
Benzene			U	ND	ug/L						
Bromodichloromethane			U	ND	ug/L						
Bromoform			U	ND	ug/L						
Bromomethane			U	ND	ug/L						
Carbon disulfide			U	ND	ug/L						
Carbon tetrachloride			U	ND	ug/L						
Chlorobenzene			U	ND	ug/L						
Chloroethane			U	ND	ug/L						
Chloroform			U	ND	ug/L						
Chloromethane			U	ND	ug/L						
Dibromochloromethane			U	ND	ug/L						
Ethylbenzene			U	ND	ug/L						
Methylene chloride			U	ND	ug/L						
Styrene			U	ND	ug/L						
Tetrachloroethylene			U	ND	ug/L						
Toluene			U	ND	ug/L						
Trichloroethylene			U	ND	ug/L						
Vinyl acetate			U	ND	ug/L						
Vinyl chloride			U	ND	ug/L						
Xylenes (total)			U	ND	ug/L						
cis-1,2-Dichloroethylene			U	ND	ug/L						
cis-1,3-Dichloropropylene			U	ND	ug/L						
trans-1,2-Dichloroethylene			U	ND	ug/L						
trans-1,3-Dichloropropylene			U	ND	ug/L						
**1,2-Dichloroethane-d4	50.0			46.6	ug/L		93.1	(72%-132%)			
**Bromofluorobenzene	50.0			55.5	ug/L		111	(77%-123%)			
**Toluene-d8	50.0			49.4	ug/L		98.8	(76%-122%)			
QC1202106378		MB									
1,1,1-Trichloroethane			U	ND	ug/L					04/29/10	22:55
1,1,1,2-Tetrachloroethane			U	ND	ug/L						
1,1,2-Trichloroethane			U	ND	ug/L						

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251426

Page 4 of 7

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	979196										
1,1-Dichloroethane			U	ND	ug/L						
1,1-Dichloroethylene			U	ND	ug/L				KXO1	04/29/10	22:55
1,2-Dichloroethane			U	ND	ug/L						
1,2-Dichloropropane			U	ND	ug/L						
2-Butanone			U	ND	ug/L						
2-Hexanone			U	ND	ug/L						
4-Methyl-2-pentanone			U	ND	ug/L						
Acetone			U	ND	ug/L						
Benzene			U	ND	ug/L						
Bromodichloromethane			U	ND	ug/L						
Bromoform			U	ND	ug/L						
Bromomethane			U	ND	ug/L						
Carbon disulfide			U	ND	ug/L						
Carbon tetrachloride			U	ND	ug/L						
Chlorobenzene			U	ND	ug/L						
Chloroethane			U	ND	ug/L						
Chloroform			U	ND	ug/L						
Chloromethane			U	ND	ug/L						
Dibromochloromethane			U	ND	ug/L						
Ethylbenzene			U	ND	ug/L						
Methylene chloride			J	4.00	ug/L						
Styrene			U	ND	ug/L						
Tetrachloroethylene			U	ND	ug/L						
Toluene			U	ND	ug/L						
Trichloroethylene			U	ND	ug/L						
Vinyl acetate			U	ND	ug/L						
Vinyl chloride			U	ND	ug/L						
Xylenes (total)			U	ND	ug/L						
cis-1,2-Dichloroethylene			U	ND	ug/L						
cis-1,3-Dichloropropylene			U	ND	ug/L						
trans-1,2-Dichloroethylene			U	ND	ug/L						
trans-1,3-Dichloropropylene			U	ND	ug/L						
**1,2-Dichloroethane-d4	50.0			50.8	ug/L		102	(72%-132%)			
**Bromofluorobenzene	50.0			50.0	ug/L		100	(77%-123%)			
**Toluene-d8	50.0			50.5	ug/L		101	(76%-122%)			
QC1202105071 251426005 PS											
1,1,1-Trichloroethane	50.0	U	ND	53.7	ug/L		107	(66%-132%)		04/30/10	04:01
1,1,2,2-Tetrachloroethane	50.0	U	ND	55.5	ug/L		111	(65%-124%)			
1,1,2-Trichloroethane	50.0	U	ND	55.0	ug/L		110	(66%-123%)			
1,1-Dichloroethane	50.0	U	ND	54.9	ug/L		110	(58%-132%)			
1,1-Dichloroethylene	50.0	U	ND	51.6	ug/L		103	(59%-128%)			
1,2-Dichloroethane	50.0	U	ND	54.9	ug/L		110	(60%-127%)			

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251426

Page 5 of 7

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	979196										
1,2-Dichloropropane	50.0	U	ND	55.7	ug/L		111	(69%-122%)			
2-Butanone	250	U	ND	217	ug/L		86.7	(11%-118%)	KXO1	04/30/10	04:01
2-Hexanone	250	U	ND	208	ug/L		83.3	(25%-125%)			
4-Methyl-2-pentanone	250	U	ND	287	ug/L		115	(52%-130%)			
Acetone	250	J	7.91	186	ug/L		71.1	(15%-142%)			
Benzene	50.0	U	ND	52.2	ug/L		104	(65%-119%)			
Bromodichloromethane	50.0	U	ND	54.7	ug/L		109	(67%-134%)			
Bromoform	50.0	U	ND	55.1	ug/L		110	(59%-140%)			
Bromomethane	50.0	U	ND	48.4	ug/L		96.8	(50%-140%)			
Carbon disulfide	250	U	ND	278	ug/L		111	(62%-135%)			
Carbon tetrachloride	50.0	U	ND	55.9	ug/L		112	(61%-137%)			
Chlorobenzene	50.0	U	ND	52.7	ug/L		105	(74%-116%)			
Chloroethane	50.0	U	ND	51.6	ug/L		103	(60%-125%)			
Chloroform	50.0	U	ND	53.5	ug/L		107	(68%-130%)			
Chloromethane	50.0	U	ND	48.5	ug/L		97	(47%-135%)			
Dibromochloromethane	50.0	U	ND	55.3	ug/L		111	(66%-132%)			
Ethylbenzene	50.0	U	ND	53.6	ug/L		107	(59%-125%)			
Methylene chloride	50.0	U	ND	B	57.3	ug/L	109	(63%-122%)			
Styrene	50.0	U	ND	50.0	ug/L		99.9	(54%-138%)			
Tetrachloroethylene	50.0	U	ND	51.3	ug/L		103	(63%-121%)			
Toluene	50.0	U	ND	49.8	ug/L		99.7	(64%-116%)			
Trichloroethylene	50.0	U	ND	51.7	ug/L		103	(68%-121%)			
Vinyl acetate	250	U	ND	286	ug/L		114	(56%-151%)			
Vinyl chloride	50.0	U	ND	47.7	ug/L		95.3	(51%-136%)			
Xylenes (total)	150	U	ND	158	ug/L		105	(47%-144%)			
cis-1,2-Dichloroethylene	50.0	U	ND	54.4	ug/L		109	(63%-132%)			
cis-1,3-Dichloropropylene	50.0	U	ND	53.8	ug/L		108	(64%-133%)			
trans-1,2-Dichloroethylene	50.0	U	ND	54.3	ug/L		109	(64%-120%)			
trans-1,3-Dichloropropylene	50.0	U	ND	58.7	ug/L		117	(63%-133%)			
**1,2-Dichloroethane-d4	50.0		50.2	51.7	ug/L		103	(72%-132%)			
**Bromofluorobenzene	50.0		50.1	48.7	ug/L		97.3	(77%-123%)			
**Toluene-d8	50.0		50.6	50.4	ug/L		101	(76%-122%)			
QC1202105072 251426005 PSD											
1,1,1-Trichloroethane	50.0	U	ND	53.9	ug/L	0.334	108	(0%-20%)		04/30/10	04:29
1,1,2,2-Tetrachloroethane	50.0	U	ND	55.9	ug/L	0.862	112	(0%-20%)			
1,1,2-Trichloroethane	50.0	U	ND	55.0	ug/L	0.109	110	(0%-20%)			
1,1-Dichloroethane	50.0	U	ND	55.0	ug/L	0.182	110	(0%-20%)			
1,1-Dichloroethylene	50.0	U	ND	51.4	ug/L	0.311	103	(0%-20%)			
1,2-Dichloroethane	50.0	U	ND	54.8	ug/L	0.237	110	(0%-20%)			
1,2-Dichloropropane	50.0	U	ND	56.2	ug/L	0.893	112	(0%-20%)			
2-Butanone	250	U	ND	214	ug/L	1.51	85.5	(0%-20%)			
2-Hexanone	250	U	ND	202	ug/L	2.94	80.9	(0%-20%)			

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251426

Page 6 of 7

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	979196										
4-Methyl-2-pentanone	250	U	ND	283	ug/L	1.46	113	(0%-20%)			
Acetone	250	J	7.91	184	ug/L	1.06	70.3	(0%-20%)	KXO1	04/30/10	04:29
Benzene	50.0	U	ND	52.3	ug/L	0.0766	105	(0%-20%)			
Bromodichloromethane	50.0	U	ND	55.1	ug/L	0.620	110	(0%-20%)			
Bromoform	50.0	U	ND	56.3	ug/L	2.15	113	(0%-20%)			
Bromomethane	50.0	U	ND	48.0	ug/L	0.767	96.1	(0%-20%)			
Carbon disulfide	250	U	ND	276	ug/L	0.736	110	(0%-20%)			
Carbon tetrachloride	50.0	U	ND	56.4	ug/L	0.927	113	(0%-20%)			
Chlorobenzene	50.0	U	ND	52.7	ug/L	0.00	105	(0%-20%)			
Chloroethane	50.0	U	ND	51.2	ug/L	0.779	102	(0%-20%)			
Chloroform	50.0	U	ND	53.7	ug/L	0.392	107	(0%-20%)			
Chloromethane	50.0	U	ND	47.3	ug/L	2.55	94.6	(0%-20%)			
Dibromochloromethane	50.0	U	ND	55.5	ug/L	0.506	111	(0%-20%)			
Ethylbenzene	50.0	U	ND	53.5	ug/L	0.187	107	(0%-20%)			
Methylene chloride	50.0	U	ND	B	57.9	ug/L	1.16	111	(0%-20%)		
Styrene	50.0	U	ND	50.0	ug/L	0.00	99.9	(0%-20%)			
Tetrachloroethylene	50.0	U	ND	50.6	ug/L	1.34	101	(0%-20%)			
Toluene	50.0	U	ND	49.8	ug/L	0.0201	99.6	(0%-20%)			
Trichloroethylene	50.0	U	ND	51.3	ug/L	0.816	103	(0%-20%)			
Vinyl acetate	250	U	ND	282	ug/L	1.16	113	(0%-20%)			
Vinyl chloride	50.0	U	ND	46.6	ug/L	2.29	93.1	(0%-20%)			
Xylenes (total)	150	U	ND	158	ug/L	0.0316	105	(0%-20%)			
cis-1,2-Dichloroethylene	50.0	U	ND	54.7	ug/L	0.587	109	(0%-20%)			
cis-1,3-Dichloropropylene	50.0	U	ND	54.6	ug/L	1.31	109	(0%-20%)			
trans-1,2-Dichloroethylene	50.0	U	ND	54.0	ug/L	0.646	108	(0%-20%)			
trans-1,3-Dichloropropylene	50.0	U	ND	59.4	ug/L	1.22	119	(0%-20%)			
**1,2-Dichloroethane-d4	50.0		50.2	51.3	ug/L		103	(72%-132%)			
**Bromofluorobenzene	50.0		50.1	49.6	ug/L		99.3	(77%-123%)			
**Toluene-d8	50.0		50.6	50.6	ug/L		101	(76%-122%)			

Notes:

RER is calculated at the 95% confidence level (2-sigma).

The Qualifiers in this report are defined as follows:

- * Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.
- ** Indicates analyte is a surrogate compound.
- < For less than value for Flashpoint
- B The analyte was found in the blank above the effective MDL.
- H Analytical holding time was exceeded
- J Estimated value, the analyte concentration fell above the effective MDL and below the effective PQL
- L Low Abundance Qualifier

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251426

Page 7 of 7

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
P											
U											
X											
X											
X											
X											
X											
Z											
Z											
d											
h											

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report for

SNLS003 Sandia National Labs (691436)

Client SDG: 251426-1 GEL Work Order: 251644

The Qualifiers in this report are defined as follows:

* Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.

** Indicates analyte is a surrogate compound.

U Analyzed for but undetected

U The analyte was analyzed for but not detected below this concentration. For Organic and Inorganic analytes the result is less than the effective MDL. For radiochemical analytes the result is less than the Decision Level

DL Indicates that sample is diluted.


RA Indicates that sample is re-analyzed without re-extraction.

RE Indicates that sample is re-extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this case narrative:

Signature: 

Name: Stacy Calloway

Date: 21 MAY 2010

Title: Data Validator

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088930-001
Sample ID: 251644011
Matrix: AQUEOUS
Collect Date: 22-APR-10 09:02
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-TB5
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/04/10	1259	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088930-001
Sample ID: 251644011

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	55.1 ug/L	50.0	110	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	47.4 ug/L	50.0	94.8	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	48.7 ug/L	50.0	97.4	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088921-001
Sample ID: 251644001
Matrix: AQUEOUS
Collect Date: 21-APR-10 08:18
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW9
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/03/10	2012	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088921-001
Sample ID: 251644001

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.0 ug/L	50.0	102	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	49.0 ug/L	50.0	98.0	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	47.1 ug/L	50.0	94.2	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088922-001
Sample ID: 251644002
Matrix: AQUEOUS
Collect Date: 21-APR-10 08:21
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW9
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/03/10	2042	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088922-001
Sample ID: 251644002

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.2 ug/L	50.0	102	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.0 ug/L	50.0	96.0	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	48.0 ug/L	50.0	96.0	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088923-001
Sample ID: 251644003
Matrix: AQUEOUS
Collect Date: 21-APR-10 08:33
Receive Date: 23-APR-10
Collector: Client
Project: SNLSGWater
Client ID: SNLS003
Client Desc.: MWL-MW9
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/03/10	2113	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088923-001
Sample ID: 251644003

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.5 ug/L	50.0	103	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.3 ug/L	50.0	96.7	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	47.6 ug/L	50.0	95.2	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088924-001
Sample ID: 251644004
Matrix: AQUEOUS
Collect Date: 21-APR-10 13:46
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW9
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/03/10	2143	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088924-001
Sample ID: 251644004

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	54.0 ug/L	50.0	108	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	49.7 ug/L	50.0	99.4	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.2 ug/L	50.0	98.5	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088925-001
Sample ID: 251644005
Matrix: AQUEOUS
Collect Date: 21-APR-10 13:46
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-TB4
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/03/10	2213	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088925-001
Sample ID: 251644005

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	53.0 ug/L	50.0	106	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	49.4 ug/L	50.0	98.8	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	48.3 ug/L	50.0	96.6	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088926-001
Sample ID: 251644006
Matrix: AQUEOUS
Collect Date: 22-APR-10 08:21
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW7
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/03/10	2244	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088926-001
Sample ID: 251644006

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	52.4 ug/L	50.0	105	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.6 ug/L	50.0	97.2	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	47.5 ug/L	50.0	95.0	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088927-001
Sample ID: 251644007
Matrix: AQUEOUS
Collect Date: 22-APR-10 08:25
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW7
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/03/10	2314	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088927-001
Sample ID: 251644007

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	51.3 ug/L	50.0	103	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.9 ug/L	50.0	97.8	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	47.8 ug/L	50.0	95.5	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088928-001
Sample ID: 251644008
Matrix: AQUEOUS
Collect Date: 22-APR-10 08:33
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW7
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/04/10	1126	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088928-001
Sample ID: 251644008

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	52.8 ug/L	50.0	106	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	46.6 ug/L	50.0	93.3	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	48.3 ug/L	50.0	96.5	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088958-001
Sample ID: 251644009
Matrix: AQUEOUS
Collect Date: 22-APR-10 08:41
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW7
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/04/10	1156	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088958-001
Sample ID: 251644009

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	56.6 ug/L	50.0	113	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	48.1 ug/L	50.0	96.2	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	50.0 ug/L	50.0	100	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088929-001
Sample ID: 251644010
Matrix: AQUEOUS
Collect Date: 22-APR-10 09:02
Receive Date: 23-APR-10
Collector: Client

Project: SNLSGWater
Client ID: SNLS003

Client Desc.: MWL-MW7
Vol. Recv.:

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Volatile Organics										
<i>8260B TCL Liquid "As Received"</i>										
1,1,1-Trichloroethane	U	ND	0.325	1.00	ug/L	1	RXM405/04/10	1228	980470	1
1,1,2,2-Tetrachloroethane	U	ND	0.250	1.00	ug/L	1				
1,1,2-Trichloroethane	U	ND	0.250	1.00	ug/L	1				
1,1-Dichloroethane	U	ND	0.300	1.00	ug/L	1				
1,1-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
1,2-Dichloroethane	U	ND	0.250	1.00	ug/L	1				
1,2-Dichloropropane	U	ND	0.250	1.00	ug/L	1				
2-Butanone	U	ND	1.25	5.00	ug/L	1				
2-Hexanone	U	ND	1.25	5.00	ug/L	1				
4-Methyl-2-pentanone	U	ND	1.25	5.00	ug/L	1				
Acetone	U	ND	3.50	10.0	ug/L	1				
Benzene	U	ND	0.300	1.00	ug/L	1				
Bromodichloromethane	U	ND	0.250	1.00	ug/L	1				
Bromoform	U	ND	0.250	1.00	ug/L	1				
Bromomethane	U	ND	0.300	1.00	ug/L	1				
Carbon disulfide	U	ND	1.25	5.00	ug/L	1				
Carbon tetrachloride	U	ND	0.300	1.00	ug/L	1				
Chlorobenzene	U	ND	0.250	1.00	ug/L	1				
Chloroethane	U	ND	0.300	1.00	ug/L	1				
Chloroform	U	ND	0.250	1.00	ug/L	1				
Chloromethane	U	ND	0.300	1.00	ug/L	1				
Dibromochloromethane	U	ND	0.300	1.00	ug/L	1				
Ethylbenzene	U	ND	0.250	1.00	ug/L	1				
Methylene chloride	U	ND	3.00	10.0	ug/L	1				
Styrene	U	ND	0.250	1.00	ug/L	1				
Tetrachloroethylene	U	ND	0.300	1.00	ug/L	1				
Toluene	U	ND	0.250	1.00	ug/L	1				
Trichloroethylene	U	ND	0.250	1.00	ug/L	1				
Vinyl acetate	U	ND	1.50	5.00	ug/L	1				
Vinyl chloride	U	ND	0.500	1.00	ug/L	1				
Xylenes (total)	U	ND	0.300	1.00	ug/L	1				
cis-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
cis-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				
trans-1,2-Dichloroethylene	U	ND	0.300	1.00	ug/L	1				
trans-1,3-Dichloropropylene	U	ND	0.250	1.00	ug/L	1				

The following Analytical Methods were performed

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Sandia National Laboratories
Address : MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE
Albuquerque, New Mexico 87123
Contact: Ms. Pamela M. Puissant
Project: **Level C, Groundwater Monitoring**

Report Date: May 18, 2010

Client Sample ID: 088929-001
Sample ID: 251644010

Project: SNLSGWater
Client ID: SNLS003

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
-----------	-----------	--------	----	----	-------	----	-------------	------	-------	--------

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 8260B DOE-AL	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
1,2-Dichloroethane-d4	8260B TCL Liquid "As Received"	54.4 ug/L	50.0	109	(72%-132%)
Bromofluorobenzene	8260B TCL Liquid "As Received"	47.5 ug/L	50.0	95.0	(77%-123%)
Toluene-d8	8260B TCL Liquid "As Received"	49.0 ug/L	50.0	97.9	(76%-122%)

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: May 18, 2010

Page 1 of 7

Sandia National Laboratories
MS-0756, Org. 06765, Bldg. 823/Rm. 4276
1515 Eubank SE

Albuquerque, New Mexico

Contact: Ms. Pamela M. Puissant

Workorder: 251644

Parname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS										
Batch	980470									
QC1202108099	LCS									
1,1,1-Trichloroethane	50.0		51.0	ug/L		102	(73%-132%)	RXM4	05/03/10	13:21
1,1,2,2-Tetrachloroethane	50.0		42.1	ug/L		84.2	(69%-120%)			
1,1,2-Trichloroethane	50.0		41.5	ug/L		82.9	(74%-120%)			
1,1-Dichloroethane	50.0		49.2	ug/L		98.4	(75%-121%)			
1,1-Dichloroethylene	50.0		49.1	ug/L		98.1	(71%-130%)			
1,2-Dichloroethane	50.0		43.9	ug/L		87.7	(66%-123%)			
1,2-Dichloropropane	50.0		47.5	ug/L		95	(75%-120%)			
2-Butanone	250		227	ug/L		90.8	(30%-145%)			
2-Hexanone	250		208	ug/L		83.1	(30%-149%)			
4-Methyl-2-pentanone	250		207	ug/L		82.9	(57%-132%)			
Acetone	250		253	ug/L		101	(30%-152%)			
Benzene	50.0		50.0	ug/L		99.9	(74%-120%)			
Bromodichloromethane	50.0		46.1	ug/L		92.3	(76%-129%)			
Bromoform	50.0		42.7	ug/L		85.3	(67%-134%)			
Bromomethane	50.0		49.7	ug/L		99.3	(70%-129%)			
Carbon disulfide	250		276	ug/L		110	(74%-137%)			
Carbon tetrachloride	50.0		52.8	ug/L		106	(73%-139%)			
Chlorobenzene	50.0		45.6	ug/L		91.2	(77%-120%)			
Chloroethane	50.0		45.8	ug/L		91.7	(69%-128%)			
Chloroform	50.0		47.6	ug/L		95.1	(75%-120%)			
Chloromethane	50.0		38.7	ug/L		77.5	(57%-131%)			
Dibromochloromethane	50.0		41.8	ug/L		83.6	(74%-128%)			
Ethylbenzene	50.0		45.3	ug/L		90.5	(74%-120%)			
Methylene chloride	50.0		51.2	ug/L		102	(70%-124%)			
Styrene	50.0		42.4	ug/L		84.9	(74%-128%)			
Tetrachloroethylene	50.0		47.2	ug/L		94.5	(73%-124%)			
Toluene	50.0		44.9	ug/L		89.7	(74%-120%)			
Trichloroethylene	50.0		52.0	ug/L		104	(78%-123%)			
Vinyl acetate	250		238	ug/L		95.2	(62%-143%)			
Vinyl chloride	50.0		46.3	ug/L		92.6	(68%-129%)			
Xylenes (total)	150		136	ug/L		90.8	(76%-122%)			
cis-1,2-Dichloroethylene	50.0		50.4	ug/L		101	(76%-125%)			
cis-1,3-Dichloropropylene	50.0		46.0	ug/L		92.1	(78%-129%)			
trans-1,2-Dichloroethylene	50.0		51.7	ug/L		103	(73%-122%)			
trans-1,3-Dichloropropylene	50.0		41.4	ug/L		82.8	(77%-126%)			
**1,2-Dichloroethane-d4	50.0		58.1	ug/L		116	(72%-132%)			

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251644

Page 2 of 7

Parname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS										
Batch	980470									
**Bromofluorobenzene	50.0		50.4	ug/L		101	(77%-123%)			
**Toluene-d8	50.0		48.6	ug/L		97.2	(76%-122%)	RXM4	05/03/10	13:21
QC1202108767	LCS									
1,1,1-Trichloroethane	50.0		50.4	ug/L		101	(73%-132%)		05/04/10	08:22
1,1,2,2-Tetrachloroethane	50.0		37.6	ug/L		75.2	(69%-120%)			
1,1,2-Trichloroethane	50.0		38.5	ug/L		77	(74%-120%)			
1,1-Dichloroethane	50.0		48.9	ug/L		97.7	(75%-121%)			
1,1-Dichloroethylene	50.0		47.9	ug/L		95.9	(71%-130%)			
1,2-Dichloroethane	50.0		43.8	ug/L		87.6	(66%-123%)			
1,2-Dichloropropane	50.0		45.7	ug/L		91.3	(75%-120%)			
2-Butanone	250		214	ug/L		85.8	(30%-145%)			
2-Hexanone	250		196	ug/L		78.4	(30%-149%)			
4-Methyl-2-pentanone	250		184	ug/L		73.5	(57%-132%)			
Acetone	250		242	ug/L		96.9	(30%-152%)			
Benzene	50.0		49.1	ug/L		98.2	(74%-120%)			
Bromodichloromethane	50.0		45.8	ug/L		91.7	(76%-129%)			
Bromoform	50.0		39.7	ug/L		79.5	(67%-134%)			
Bromomethane	50.0		50.0	ug/L		99.9	(70%-129%)			
Carbon disulfide	250		265	ug/L		106	(74%-137%)			
Carbon tetrachloride	50.0		53.1	ug/L		106	(73%-139%)			
Chlorobenzene	50.0		44.2	ug/L		88.4	(77%-120%)			
Chloroethane	50.0		43.2	ug/L		86.5	(69%-128%)			
Chloroform	50.0		47.2	ug/L		94.4	(75%-120%)			
Chloromethane	50.0		36.1	ug/L		72.1	(57%-131%)			
Dibromochloromethane	50.0		39.5	ug/L		78.9	(74%-128%)			
Ethylbenzene	50.0		43.9	ug/L		87.9	(74%-120%)			
Methylene chloride	50.0		51.9	ug/L		104	(70%-124%)			
Styrene	50.0		40.6	ug/L		81.1	(74%-128%)			
Tetrachloroethylene	50.0		45.9	ug/L		91.9	(73%-124%)			
Toluene	50.0		42.7	ug/L		85.5	(74%-120%)			
Trichloroethylene	50.0		52.0	ug/L		104	(78%-123%)			
Vinyl acetate	250		218	ug/L		87.3	(62%-143%)			
Vinyl chloride	50.0		42.9	ug/L		85.8	(68%-129%)			
Xylenes (total)	150		131	ug/L		87.3	(76%-122%)			
cis-1,2-Dichloroethylene	50.0		49.9	ug/L		99.8	(76%-125%)			
cis-1,3-Dichloropropylene	50.0		44.1	ug/L		88.2	(78%-129%)			
trans-1,2-Dichloroethylene	50.0		50.8	ug/L		102	(73%-122%)			
trans-1,3-Dichloropropylene	50.0		38.0	ug/L		75.9*	(77%-126%)			
**1,2-Dichloroethane-d4	50.0		61.0	ug/L		122	(72%-132%)			
**Bromofluorobenzene	50.0		46.6	ug/L		93.1	(77%-123%)			
**Toluene-d8	50.0		48.8	ug/L		97.6	(76%-122%)			
QC1202108096	MB									

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251644

Page 3 of 7

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	980470										
1,1,1-Trichloroethane			U	ND	ug/L					05/03/10	16:10
1,1,2,2-Tetrachloroethane			U	ND	ug/L				RXM4		
1,1,2-Trichloroethane			U	ND	ug/L						
1,1-Dichloroethane			U	ND	ug/L						
1,1-Dichloroethylene			U	ND	ug/L						
1,2-Dichloroethane			U	ND	ug/L						
1,2-Dichloropropane			U	ND	ug/L						
2-Butanone			U	ND	ug/L						
2-Hexanone			U	ND	ug/L						
4-Methyl-2-pentanone			U	ND	ug/L						
Acetone			U	ND	ug/L						
Benzene			U	ND	ug/L						
Bromodichloromethane			U	ND	ug/L						
Bromoform			U	ND	ug/L						
Bromomethane			U	ND	ug/L						
Carbon disulfide			U	ND	ug/L						
Carbon tetrachloride			U	ND	ug/L						
Chlorobenzene			U	ND	ug/L						
Chloroethane			U	ND	ug/L						
Chloroform			U	ND	ug/L						
Chloromethane			U	ND	ug/L						
Dibromochloromethane			U	ND	ug/L						
Ethylbenzene			U	ND	ug/L						
Methylene chloride			U	ND	ug/L						
Styrene			U	ND	ug/L						
Tetrachloroethylene			U	ND	ug/L						
Toluene			U	ND	ug/L						
Trichloroethylene			U	ND	ug/L						
Vinyl acetate			U	ND	ug/L						
Vinyl chloride			U	ND	ug/L						
Xylenes (total)			U	ND	ug/L						
cis-1,2-Dichloroethylene			U	ND	ug/L						
cis-1,3-Dichloropropylene			U	ND	ug/L						
trans-1,2-Dichloroethylene			U	ND	ug/L						
trans-1,3-Dichloropropylene			U	ND	ug/L						
**1,2-Dichloroethane-d4	50.0			49.1	ug/L		98.2	(72%-132%)			
**Bromofluorobenzene	50.0			49.1	ug/L		98.2	(77%-123%)			
**Toluene-d8	50.0			47.3	ug/L		94.5	(76%-122%)			
QC1202108766		MB									
1,1,1-Trichloroethane			U	ND	ug/L					05/04/10	10:55
1,1,2,2-Tetrachloroethane			U	ND	ug/L						
1,1,2-Trichloroethane			U	ND	ug/L						

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251644

Page 4 of 7

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	980470										
1,1-Dichloroethane			U	ND	ug/L						
1,1-Dichloroethylene			U	ND	ug/L				RXM4	05/04/10	10:55
1,2-Dichloroethane			U	ND	ug/L						
1,2-Dichloropropane			U	ND	ug/L						
2-Butanone			U	ND	ug/L						
2-Hexanone			U	ND	ug/L						
4-Methyl-2-pentanone			U	ND	ug/L						
Acetone			U	ND	ug/L						
Benzene			U	ND	ug/L						
Bromodichloromethane			U	ND	ug/L						
Bromoform			U	ND	ug/L						
Bromomethane			U	ND	ug/L						
Carbon disulfide			U	ND	ug/L						
Carbon tetrachloride			U	ND	ug/L						
Chlorobenzene			U	ND	ug/L						
Chloroethane			U	ND	ug/L						
Chloroform			U	ND	ug/L						
Chloromethane			U	ND	ug/L						
Dibromochloromethane			U	ND	ug/L						
Ethylbenzene			U	ND	ug/L						
Methylene chloride			U	ND	ug/L						
Styrene			U	ND	ug/L						
Tetrachloroethylene			U	ND	ug/L						
Toluene			U	ND	ug/L						
Trichloroethylene			U	ND	ug/L						
Vinyl acetate			U	ND	ug/L						
Vinyl chloride			U	ND	ug/L						
Xylenes (total)			U	ND	ug/L						
cis-1,2-Dichloroethylene			U	ND	ug/L						
cis-1,3-Dichloropropylene			U	ND	ug/L						
trans-1,2-Dichloroethylene			U	ND	ug/L						
trans-1,3-Dichloropropylene			U	ND	ug/L						
**1,2-Dichloroethane-d4	50.0			53.8	ug/L		108	(72%-132%)			
**Bromofluorobenzene	50.0			47.2	ug/L		94.4	(77%-123%)			
**Toluene-d8	50.0			47.6	ug/L		95.2	(76%-122%)			
QC1202108097 251644001 PS											
1,1,1-Trichloroethane	50.0	U	ND	55.0	ug/L		110	(66%-132%)		05/04/10	14:30
1,1,2,2-Tetrachloroethane	50.0	U	ND	47.3	ug/L		94.6	(65%-124%)			
1,1,2-Trichloroethane	50.0	U	ND	47.5	ug/L		94.9	(66%-123%)			
1,1-Dichloroethane	50.0	U	ND	54.8	ug/L		110	(58%-132%)			
1,1-Dichloroethylene	50.0	U	ND	50.3	ug/L		101	(59%-128%)			
1,2-Dichloroethane	50.0	U	ND	52.6	ug/L		105	(60%-127%)			

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251644

Page 5 of 7

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	980470										
1,2-Dichloropropane	50.0	U	ND	54.3	ug/L		109	(69%-122%)			
2-Butanone	250	U	ND	148	ug/L		59.3	(11%-118%)	RXM4	05/04/10	14:30
2-Hexanone	250	U	ND	159	ug/L		63.6	(25%-125%)			
4-Methyl-2-pentanone	250	U	ND	219	ug/L		87.6	(52%-130%)			
Acetone	250	U	ND	107	ug/L		42.6	(15%-142%)			
Benzene	50.0	U	ND	55.7	ug/L		111	(65%-119%)			
Bromodichloromethane	50.0	U	ND	54.1	ug/L		108	(67%-134%)			
Bromoform	50.0	U	ND	48.7	ug/L		97.4	(59%-140%)			
Bromomethane	50.0	U	ND	56.7	ug/L		113	(50%-140%)			
Carbon disulfide	250	U	ND	288	ug/L		115	(62%-135%)			
Carbon tetrachloride	50.0	U	ND	56.4	ug/L		113	(61%-137%)			
Chlorobenzene	50.0	U	ND	51.8	ug/L		104	(74%-116%)			
Chloroethane	50.0	U	ND	48.8	ug/L		97.7	(60%-125%)			
Chloroform	50.0	U	ND	54.1	ug/L		108	(68%-130%)			
Chloromethane	50.0	U	ND	41.4	ug/L		82.8	(47%-135%)			
Dibromochloromethane	50.0	U	ND	48.3	ug/L		96.6	(66%-132%)			
Ethylbenzene	50.0	U	ND	49.3	ug/L		98.6	(59%-125%)			
Methylene chloride	50.0	U	ND	62.1	ug/L		124*	(63%-122%)			
Styrene	50.0	U	ND	47.9	ug/L		95.8	(54%-138%)			
Tetrachloroethylene	50.0	U	ND	50.4	ug/L		101	(63%-121%)			
Toluene	50.0	U	ND	49.2	ug/L		98.3	(64%-116%)			
Trichloroethylene	50.0	U	ND	56.9	ug/L		114	(68%-121%)			
Vinyl acetate	250	U	ND	261	ug/L		105	(56%-151%)			
Vinyl chloride	50.0	U	ND	47.6	ug/L		95.1	(51%-136%)			
Xylenes (total)	150	U	ND	149	ug/L		99.6	(47%-144%)			
cis-1,2-Dichloroethylene	50.0	U	ND	57.4	ug/L		115	(63%-132%)			
cis-1,3-Dichloropropylene	50.0	U	ND	52.7	ug/L		105	(64%-133%)			
trans-1,2-Dichloroethylene	50.0	U	ND	55.9	ug/L		112	(64%-120%)			
trans-1,3-Dichloropropylene	50.0	U	ND	46.7	ug/L		93.4	(63%-133%)			
**1,2-Dichloroethane-d4	50.0		51.0	59.9	ug/L		120	(72%-132%)			
**Bromofluorobenzene	50.0		49.0	47.1	ug/L		94.2	(77%-123%)			
**Toluene-d8	50.0		47.1	49.0	ug/L		97.9	(76%-122%)			
QC1202108098 251644001 PSD											
1,1,1-Trichloroethane	50.0	U	ND	56.3	ug/L	2.25	113	(0%-20%)		05/04/10	15:00
1,1,2,2-Tetrachloroethane	50.0	U	ND	46.8	ug/L	1.15	93.5	(0%-20%)			
1,1,2-Trichloroethane	50.0	U	ND	48.0	ug/L	1.24	96.1	(0%-20%)			
1,1-Dichloroethane	50.0	U	ND	56.3	ug/L	2.75	113	(0%-20%)			
1,1-Dichloroethylene	50.0	U	ND	52.7	ug/L	4.68	105	(0%-20%)			
1,2-Dichloroethane	50.0	U	ND	52.6	ug/L	0.00855	105	(0%-20%)			
1,2-Dichloropropane	50.0	U	ND	55.9	ug/L	2.88	112	(0%-20%)			
2-Butanone	250	U	ND	144	ug/L	2.67	57.7	(0%-20%)			
2-Hexanone	250	U	ND	153	ug/L	4.02	61.1	(0%-20%)			

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251644

Page 6 of 7

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Volatile-GC/MS											
Batch	980470										
4-Methyl-2-pentanone	250	U	ND	213	ug/L	2.66	85.3	(0%-20%)			
Acetone	250	U	ND	105	ug/L	1.56	42	(0%-20%)	RXM4	05/04/10	15:00
Benzene	50.0	U	ND	56.7	ug/L	1.77	113	(0%-20%)			
Bromodichloromethane	50.0	U	ND	54.9	ug/L	1.53	110	(0%-20%)			
Bromoform	50.0	U	ND	47.8	ug/L	1.93	95.6	(0%-20%)			
Bromomethane	50.0	U	ND	58.4	ug/L	3.01	117	(0%-20%)			
Carbon disulfide	250	U	ND	299	ug/L	4.02	120	(0%-20%)			
Carbon tetrachloride	50.0	U	ND	58.4	ug/L	3.52	117	(0%-20%)			
Chlorobenzene	50.0	U	ND	52.2	ug/L	0.797	104	(0%-20%)			
Chloroethane	50.0	U	ND	50.0	ug/L	2.33	100	(0%-20%)			
Chloroform	50.0	U	ND	56.0	ug/L	3.47	112	(0%-20%)			
Chloromethane	50.0	U	ND	43.3	ug/L	4.38	86.5	(0%-20%)			
Dibromochloromethane	50.0	U	ND	48.2	ug/L	0.283	96.4	(0%-20%)			
Ethylbenzene	50.0	U	ND	50.5	ug/L	2.43	101	(0%-20%)			
Methylene chloride	50.0	U	ND	63.1	ug/L	1.58	126*	(0%-20%)			
Styrene	50.0	U	ND	48.4	ug/L	1.07	96.8	(0%-20%)			
Tetrachloroethylene	50.0	U	ND	50.9	ug/L	1.08	102	(0%-20%)			
Toluene	50.0	U	ND	50.2	ug/L	2.06	100	(0%-20%)			
Trichloroethylene	50.0	U	ND	58.9	ug/L	3.41	118	(0%-20%)			
Vinyl acetate	250	U	ND	256	ug/L	1.94	103	(0%-20%)			
Vinyl chloride	50.0	U	ND	50.0	ug/L	4.99	100	(0%-20%)			
Xylenes (total)	150	U	ND	151	ug/L	0.805	100	(0%-20%)			
cis-1,2-Dichloroethylene	50.0	U	ND	59.3	ug/L	3.29	119	(0%-20%)			
cis-1,3-Dichloropropylene	50.0	U	ND	53.2	ug/L	0.875	106	(0%-20%)			
trans-1,2-Dichloroethylene	50.0	U	ND	57.8	ug/L	3.31	116	(0%-20%)			
trans-1,3-Dichloropropylene	50.0	U	ND	46.7	ug/L	0.128	93.3	(0%-20%)			
**1,2-Dichloroethane-d4	50.0		51.0	61.3	ug/L		123	(72%-132%)			
**Bromofluorobenzene	50.0		49.0	47.9	ug/L		95.9	(77%-123%)			
**Toluene-d8	50.0		47.1	49.8	ug/L		99.6	(76%-122%)			

Notes:

RER is calculated at the 95% confidence level (2-sigma).

The Qualifiers in this report are defined as follows:

- * Recovery or %RPD not within acceptance limits and/or spike amount not compatible with the sample or the duplicate RPD's are not applicable where the concentration falls below the effective PQL.
- ** Indicates analyte is a surrogate compound.
- B The analyte was found in the blank above the effective MDL.
- H Analytical holding time was exceeded
- J Estimated value, the analyte concentration fell above the effective MDL and below the effective PQL
- P The response between the confirmation column and the primary column is >40%D
- U The analyte was analyzed for but not detected below this concentration. For Organic and Inorganic analytes the result is less than the effective MDL. For radiochemical analytes the result is less than the Decision Level

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 251644

Page 7 of 7

<u>Parmname</u>	<u>NOM</u>	<u>Sample</u>	<u>Qual</u>	<u>QC</u>	<u>Units</u>	<u>RPD%</u>	<u>REC%</u>	<u>Range</u>	<u>Anlst</u>	<u>Date</u>	<u>Time</u>
X		Presumptive evidence that the analyte is not present. Please see narrative for further information.									
Z		The percent difference is greater than 70%.									
d		The 2:1 depletion requirement was not met for this sample									
h		Prep holding time exceeded									

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.