



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4**

Science and Ecosystem Support Division
Enforcement and Investigations Branch
980 College Station Road
Athens, Georgia 30605-2720

SITE: Mills Gap Rd
BREAK: 2/3
OTHER: V29

October 20, 2009

4SESD-EIB

MEMORANDUM

SUBJECT: Mills Gap Groundwater Contamination Site
Potable Water Investigation Final Report
Asheville, North Carolina
SESD Project Numbers 10-0014

FROM: Timothy Simpson, Environmental Scientist
Superfund and Air Section

THRU: Mike Bowden, Chief
Air and Superfund Section

TO: Carolyn Callihan, RPM
Superfund Site Evaluation Section
Superfund Division

Attached is the Final Report for the potable water sampling investigation conducted at the Mills Gaps Groundwater Contamination Site in Asheville, North Carolina. The investigation was conducted the week of October 12, 2009. If you have any questions, please call me at (706) 355-8736.

Attachment



10692963

REGION 4
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SCIENCE AND ECOSYSTEM SUPPORT DIVISION

Site Investigation Report
Mills Gap Road Groundwater Contamination Site
Asheville, Buncombe County, North Carolina
Project Identification Number: 10-0014



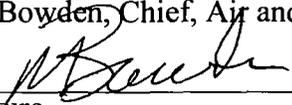
Remedial Project Manager:
Carolyn Callihan
Superfund Division
61 Forsyth Street, SW
Atlanta, Georgia 30303-8909

SESD Project Leader:
Tim Simpson
Science and Ecosystem Support Division
980 College Station Road
Athens, GA 30605

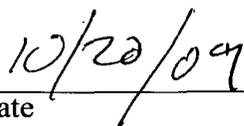
Project: Mills Gap Road Groundwater Contamination Site, Asheville, NC
SESD Project Identification Number: 10-0014

Approving Official:

Mike Bowden, Chief, Air and Superfund Section



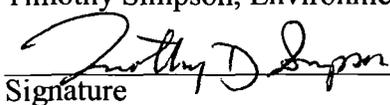
Signature



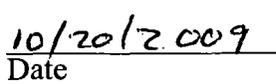
Date

Project Leader:

Timothy Simpson, Environmental Scientist, Air and Superfund Section



Signature



Date

**SAMPLING INVESTIGATION REPORT
MILLS GAP ROAD GROUNDWATER CONTAMINATION SITE
ASHEVILLE, NORTH CAROLINA
SESD PROJECT IDENTIFICATION NUMBER 10-0014**

Introduction

During the week of October 12, 2009 representatives of the United States Environmental Protection Agency (USEPA), Region 4, Science and Ecosystem Support Division (SESD), collected potable water samples from residential wells at the Mills Gap Road Groundwater Contamination Site in Asheville, North Carolina. The investigation was requested by Carolyn Callihan, Remedial Project Manager, Superfund Division, EPA Region 4, Atlanta, Georgia.

The following personnel participated in the investigation:

<u>Name</u>	<u>Organization</u>	<u>Duties</u>
Tim Simpson	Reg. 4 EPA/SESD	Project Leader
Marty Allen	Reg. 4 EPA/SESD	Field Project Leader, Sampler
Art Masters	Reg. 4 EPA/SESD	Sampler, FORMs

Site Background

The Mills Gap sampling investigation addressed immediate risks associated with volatile organic compound (VOC) contamination in potable wells located near the former CTS Plant. The Plant is located at 275 Mills Gap Road in Asheville, North Carolina (Latitude: 35.4933000, Longitude: -82.5063000).

Trichloroethene (TCE) is the primary contaminant of concern; however, elevated levels of other chlorinated solvents and petroleum constituents have been measured. The former electronics part manufacturing plant is a single building with a nine-acre perimeter fence. Forty-six acres of the original property have been redeveloped into residential properties.

SESD previously collected potable water samples from residential properties at the site during the weeks of September 7, 2009 and September 28, 2009.

Sampling Investigation Summary

During October 13-14, 2009, SESD collected 4 potable water samples from 3 residential properties. Samples were collected for VOC analyses. Sampling location information is summarized in Table 1. The site sampling locations appear in Figure 1.

Prior to sample collection, the potable water was monitored for temperature, specific conductance, pH, and turbidity. The water parameter data are summarized in Table 2.

Analytical data were compared to National Primary Drinking Water Regulations Maximum Contaminant Levels (MCLs) and USEPA Regional Screening Level (RSL) for tap water. MCLs are defined as the highest level of a contaminant level that is allowed in drinking water. MCLs are enforceable standards.

Sampling and Analytical Methodology

Sample collection activities were in accordance with the *Quality Assurance Project Plan, Mills Gap Road Groundwater Contamination Site, October 6, 2009* and EPA, Region 4 *SESD Field Branches Quality System and Technical Procedures*. The field investigation was conducted in accordance with the following procedures:

- SESDPROC-005-R1, Sample and Evidence Management
- SESDPROC-100-R2, Field pH Measurement
- SESDPROC-101-R2, Field Specific Conductance
- SESDPROC-102-R2, Field Temperature Measurement
- SESDPROC-103-R2, Field Turbidity
- SESDPROC-110-R2, Global Positioning System
- SESDPROC-010-R3, Logbooks
- SESDPROC-209-R1, Packing, Marking, Labeling, and Shipping of Environmental and Waste Samples

All samples were analyzed at the SESD laboratory in Athens, GA. Analyses were in accordance with the U.S. EPA, Region 4, *Analytical Support Branch Laboratory Operations and Quality Control Manual*, January 2009. The analytical method was EPA Method 8260C.

Analytical Results: VOCs

Methyl tert-butyl ether (MTBE) (0.32J ug/L) was detected in sample MG1371009. It was below the MTBE tap water RSL of 12 ug/L. MTBE is a member of a group of chemicals commonly known as fuel oxygenates. Oxygenates are added to fuel to increase its oxygen content. There is no MCL for MTBE.

No other VOCs, including TCE, were detected in any of the samples.

Quality Assurance Results

Quality assurance (QA) samples in the form of a split sample (samples MG1361009 and MG1361009-D) and one trip blank were collected during the sampling investigation.

No VOCs were detected in either the primary or split sample.

VOCs were not detected in the trip blanks. This indicates that there was no cross contamination of the samples during the sampling event.

References

Quality Assurance Project Plan, Mills Gap Groundwater Contamination Site, October 6, 2009. SESD Project Number 10-0014.

Region 4 EPA Field Branches Quality System and Technical Procedures.
<http://www.epa.gov/region4/sesd/fbqstp/index.html>

SESD Analytical Support Branch Laboratory Operations and Quality Assurance Manual, January 2009.

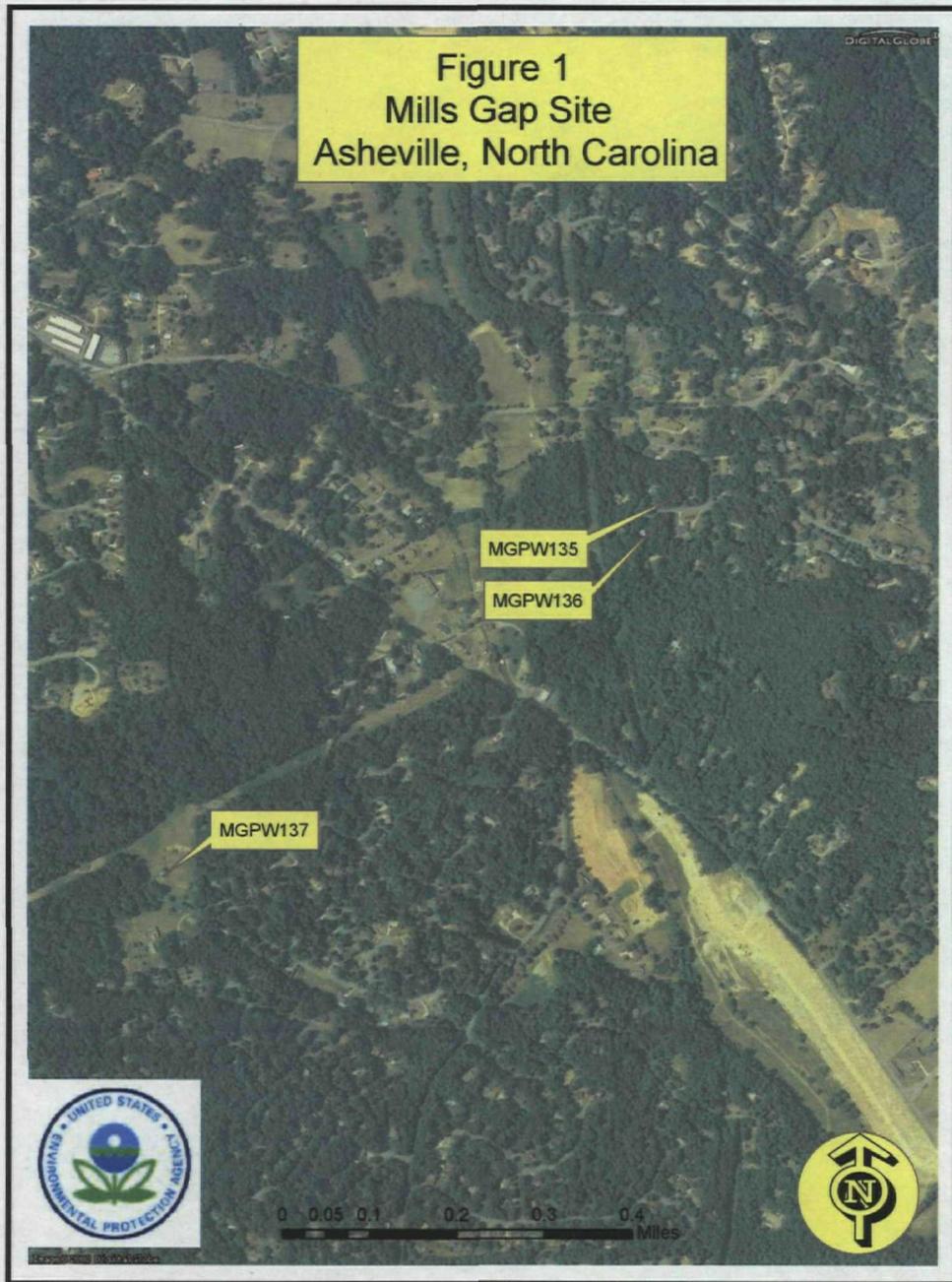
**DATA TABLES AND FIGURES
MILLS GAP GROUNDWATER CONTAINMENT SITE
ASHEVILLE, BUNCOMBE COUNTY, NC
WEEK OF OCTOBER 12, 2009**

**TABLE 1
SAMPLE LOCATIONS
MILLS GAP GROUNDWATER CONTAMINATION SITE
WEEK OF OCTOBER 12, 2009
ASHEVILLE, BUNCOMBE COUNTY, NC**

Station ID	Sample ID	N	W
MGPW135	MG1351009	35.48840	-82.49203
MGPW136	MG1361009	35.48343	-82.50201
MGPW137	MG1371009	35.48876	-82.49086

**TABLE 2
WATER PARAMETERS
MILLS GAP GROUNDWATER CONTAMINATION SITE
WEEK OF OCTOBER 12, 2009
ASHEVILLE, BUNCOMBE COUNTY, NC**

Station ID	Sample ID	Temperature (Degrees C)	pH (Standard Units)	Specific Conductance (uS/cm)	Turbidity (NTU)
MGPW135	MG1351009	15.6	6.26	132.9	41.8
MGPW136	MG1361009	19.5	6.42	140.7	0.84
MGPW137	MG1371009	16.2	5.92	177.8	0.34



**APPENDIX A
ANALYTICAL DATA REPORTS
MILLS GAP ROAD GROUNDWATER CONTAMINATION SITE
ASHEVILLE, BUNCOMBE COUNTY, NC
WEEK OF OCTOBER 12, 2009**

**Volatile Organic Compounds Analytical Data Reports
(10-0014) (19 Total Pages)**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

October 16, 2009

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 10-0014, Mills Gap Road Groundwater Contamination
Superfund Remedial

FROM: Kristin Trapp
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Timothy Simpson

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

Volatile Organics (VOA)

Volatile organic compounds

EPA 8260C



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Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner



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SAMPLES INCLUDED IN THIS REPORT

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
QA-805	E094203-01	Trip Blank - Water	10/14/09 07:49	10/14/09 13:20
MG1351009	E094203-02	Potable Water	10/13/09 14:10	10/14/09 13:20
MG1361009	E094203-03	Potable Water	10/13/09 18:15	10/14/09 13:20
MG1361009-D	E094203-04	Potable Water	10/13/09 18:17	10/14/09 13:20
MG1371009	E094203-05	Potable Water	10/13/09 13:25	10/14/09 13:20



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DATA QUALIFIER DEFINITIONS

- U The analyte was not detected at or above the reporting limit.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- Q-2 Result greater than MDL but less than MRL.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: QA-805

Lab ID: E094203-01

Station ID:

Matrix: Trip Blank - Water

Date Collected: 10/14/09 7:49

CLIS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
563-58-6	1,1-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-18-4	1,2,3-Trichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
142-28-9	1,3-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
594-20-7	2,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-64-1	Acetone	4.0	U	ug/L	4.0	10/15/09	10/15/09	EPA 8260C
71-43-2	Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-86-1	Bromobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-25-2	Bromoform	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
74-83-9	Bromomethane	2.0	U	ug/L	2.0	10/15/09	10/15/09	EPA 8260C



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Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: QA-805

Lab ID: E094203-01

Station ID:

Matrix: Trip Blank - Water

Date Collected: 10/14/09 7:49

CIS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-15-0	Carbon disulfide	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
56-23-5	Carbon Tetrachloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-00-3	Chloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-66-3	Chloroform	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-87-3	Chloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
110-82-7	Cyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-95-3	Dibromomethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-41-4	Ethyl Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-68-3	Hexachlorobutadiene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-20-9	Methyl Acetate	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
591-78-6	Methyl Butyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
78-93-3	Methyl Ethyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
1634-04-4	Methyl-T-Butyl Ether (MTBE)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-09-2	Methylene Chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
104-51-8	n-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
103-65-1	n-Propylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-49-8	o-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-47-6	o-Xylene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-43-4	p-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
99-87-6	p-Isopropyltoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
135-98-8	sec-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-42-5	Styrene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-06-6	tert-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C



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D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: QA-805

Lab ID: E094203-01

Station ID:

Matrix: Trip Blank - Water

Date Collected: 10/14/09 7:49

<i>GIS</i> Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Modified	Method
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-88-3	Toluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-60-6	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	10/15/09	10/15/09	EPA 8260C



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D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1351009

Lab ID: E094203-02

Station ID: MGPW135

Matrix: Potable Water

Date Collected: 10/13/09 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-34-5	1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
563-58-6	1,1-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-13-4	1,2,3-Trichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-69-5	1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
106-47-2	1,2-Dibromoethane (EDB)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
107-10-3	1,2-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
142-28-9	1,3-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
594-20-7	2,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-64-1	Acetone	4.0	U	ug/L	4.0	10/15/09	10/15/09	EPA 8260C
71-43-2	Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-86-1	Bromobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-25-2	Bromoform	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
74-83-9	Bromomethane	2.0	U	ug/L	2.0	10/15/09	10/15/09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1351009

Lab ID: E094203-02

Station ID: MGPW135

Matrix: Potable Water

Date Collected: 10/13/09 14:10

CAS Number	Analyte	Results	Qualifier	Units	MRL	Prepared	Analyzed	Method
75-15-0	Carbon disulfide	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
56-23-5	Carbon Tetrachloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-00-3	Chloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-66-3	Chloroform	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-87-3	Chloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
110-82-7	Cyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
124-43-1	Dibromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-95-3	Dibromomethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-41-4	Ethyl Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-68-3	Hexachlorobutadiene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-20-9	Methyl Acetate	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
591-78-6	Methyl Butyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
78-93-3	Methyl Ethyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-09-2	Methylene Chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
104-51-8	n-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
103-65-1	n-Propylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-49-8	o-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-47-6	o-Xylene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-43-4	p-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
99-87-6	p-Isopropyltoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
135-98-8	sec-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-42-5	Styrene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-06-6	tert-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1351009

Lab ID: E094203-02

Station ID: MGPW135

Matrix: Potable Water

Date Collected: 10/13/09 14:10

CAS Number	Analyte	Results	Qualifier	Units	MRL	Prepared	Analyzed	Method
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-88-3	Toluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-01-3	Vinylchloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	10/15/09	10/15/09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1361009

Lab ID: E094203-03

Station ID: MGPW136

Matrix: Potable Water

Date Collected: 10/13/09 18:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
563-53-6	1,1-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-18-4	1,2,3-Trichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-63-6	1,1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
142-28-9	1,3-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
594-20-7	2,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-64-1	Acetone	4.0	U	ug/L	4.0	10/15/09	10/15/09	EPA 8260C
71-43-2	Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-86-1	Bromobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-25-2	Bromoform	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
74-83-9	Bromomethane	2.0	U	ug/L	2.0	10/15/09	10/15/09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1361009

Lab ID: E094203-03

Station ID: MGPW136

Matrix: Potable Water

Date Collected: 10/13/09 18:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-15-0	Carbon disulfide	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
56-23-5	Carbon Tetrachloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-00-3	Chloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-66-3	Chloroform	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-87-3	Chloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
110-82-7	Cyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-95-3	Dibromomethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-71-8	Dichlorodifluoromethane (Freon 12)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-41-4	Ethyl Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-68-3	Hexachlorobutadiene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-20-9	Methyl Acetate	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
591-78-6	Methyl Butyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
78-93-3	Methyl Ethyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-09-2	Methylene Chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
104-51-8	n-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
103-65-1	n-Propylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-49-8	o-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-47-6	o-Xylene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-43-4	p-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
99-87-6	p-Isopropyltoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
135-98-8	sec-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-42-5	Styrene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-06-6	tert-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1361009

Lab ID: E094203-03

Station ID: MGPW136

Matrix: Potable Water

Date Collected: 10/13/09 18:15

CAS Number	Analyte	Results	Qualifier	Units	MRL	Prepared	Analyzed	Method
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-88-3	Toluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	10/15/09	10/15/09	EPA 8260C



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Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1361009-D

Lab ID: E094203-04

Station ID: MGPW136

Matrix: Potable Water

Date Collected: 10/13/09 18:17

C-15 Number	Analyte	Results	Qualifier	Units	MRL	Prepared	Unshed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
71-53-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
73-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
531-53-6	1,1-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-13-4	1,2,3-Trichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-67-3	1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
142-23-9	1,3-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
594-20-7	2,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-64-1	Acetone	4.0	U	ug/L	4.0	10/15/09	10/15/09	EPA 8260C
71-43-2	Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-86-1	Bromobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-97-5	Bromoethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-35-2	Bromoform	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
74-83-9	Bromomethane	2.0	U	ug/L	2.0	10/15/09	10/15/09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1361009-D

Lab ID: E094203-04

Station ID: MGPW136

Matrix: Potable Water

Date Collected: 10/13/09 18:17

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-15-0	Carbon disulfide	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
56-23-5	Carbon Tetrachloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-00-3	Chloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-66-3	Chloroform	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-87-3	Chloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
110-82-7	Cyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
124-43-1	Dibromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-95-3	Dibromomethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-41-4	Ethyl Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-68-3	Hexachlorobutadiene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-20-9	Methyl Acetate	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
591-78-6	Methyl Butyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
78-93-3	Methyl Ethyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-09-2	Methylene Chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
104-51-8	n-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
103-65-1	n-Propylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-49-8	o-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-47-6	o-Xylene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-43-4	p-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
99-87-6	p-Isopropyltoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
135-98-8	sec-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-42-5	Styrene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-06-6	tert-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1361009-D

Lab ID: E094203-04

Station ID: MGPW136

Matrix: Potable Water

Date Collected: 10/13/09 18:17

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-88-3	Toluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-01-4	Vinylchloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	10/15/09	10/15/09	EPA 8260C



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Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1371009

Lab ID: E094203-05

Station ID: MGPW137

Matrix: Potable Water

Date Collected: 10/13/09 13:25

CAS Number	Analyte	Results	Qualifier	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
563-58-6	1,1-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-18-4	1,2,3-Trichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
142-28-9	1,3-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
594-20-7	2,2-Dichloropropane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-64-1	Acetone	4.0	U	ug/L	4.0	10/15/09	10/15/09	EPA 8260C
71-43-2	Benzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-86-1	Bromobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-25-2	Bromoform	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
74-83-9	Bromomethane	2.0	U	ug/L	2.0	10/15/09	10/15/09	EPA 8260C



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D.A.R.T. Id: 10-0014

Project: 10-0014, Mills Gap Road Groundwater Contamination - Reported by Kristin Trapp

Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1371009

Lab ID: E094203-05

Station ID: MGPW137

Matrix: Potable Water

Date Collected: 10/13/09 13:25

Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-15-0	Carbon disulfide	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
56-23-5	Carbon Tetrachloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-00-3	Chloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
67-66-3	Chloroform	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-87-3	Chloromethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-01-5	cis-1,2-Dibromopropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
110-82-7	1,1-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
124-48-1	1,1-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
74-95-3	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-71-8	1,1,1-Trichloroethane (Freon 12)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-41-4	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
87-65-3	1,2-Dichloroethane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-82-8	1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-20-9	1,1,2,2-Tetrachloroethane	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
591-78-6	Methyl Butyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
78-93-9	Methyl Ethyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	1.0	U	ug/L	1.0	10/15/09	10/15/09	EPA 8260C
1634-04-4	Methyl t-Butyl Ether (MTBE)	0.32	J, Q-2	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-09-2	Methylene Chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
104-51-8	n-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
103-65-1	n-Propylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-49-8	o-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
95-47-6	o-Xylene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
106-43-4	p-Chlorotoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
99-87-6	p-Isopropyltoluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
135-98-8	sec-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
100-42-5	Styrene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
98-06-6	tert-Butylbenzene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C



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D.A.R.T. Id: 10-0014

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Volatile Organics

Project: 10-0014, Mills Gap Road Groundwater Contamination

Sample ID: MG1371009

Lab ID: E094203-05

Station ID: MGPW137

Matrix: Potable Water

Date Collected: 10/13/09 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
108-88-3	Toluene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	10/15/09	10/15/09	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	10/15/09	10/15/09	EPA 8260C

End of Report