



DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND
NORTHEAST IPT, ENVIRONMENTAL DIVISION
9742 MARYLAND AVENUE
NORFOLK, VIRGINIA 23511-3095

N96095.AR.000685
NWIRP CALVERTON
5090.3a

IN REPLY REFER TO:

5090
15/OPNEEV/lbf
22 APR 09

Mr. John Hall
Peconic River Sportsman's Club
389 River Road
Manorville, New York 11949-1405

Subj: MARCH 2009 WATER RESULTS, OFF-SITE GROUNDWATER, SOUTHERN AREA, NWIRP CALVERTON, NEW YORK

Encl: (1) March 2009 Water Results, Off-site Groundwater, Southern Area, NWIRP Calverton

Dear Mr. Hall:

Please find enclosed results of water testing conducted on your property on March 25, 2008. These samples were collected in support of a groundwater investigation that the Navy is conducting on property to the north and east of your club. A copy of these results is being forwarded to Suffolk County Department of Health Services.

Sample locations and descriptions are as follows.

CA-PRSC-01	Main Lodge, kitchen sink.
CA-PRSC-02-01	Activity Center, prior to carbon units.
CA-PRSC-02-02	Activity Center, between carbon units.
CA-PRSC-02-03	Activity Center, after carbon units, from sink in main area.
CA-PRSC-03	Private Residence, outside spigot, front of residence.
CA-PRSC-04	Fire Suppression well

Please note that because the well was shut down, a water sample was not collected at the Pistol Range Trailer (CA-PRSC-05) in March 2009.

The results of the testing are attached. Volatile organic compounds were not detected in water samples CA-PRSC-01, and -03. Volatile organic compounds were detected in the untreated water at the Activity Center (CA-PRSC-02-01) at a concentration above drinking water standards. In particular, 1,1-dichloroethane was detected at a concentration of 12 micrograms per liter. This concentration is consistent with previous detections at this location (Table 1). The drinking water standard for this chemical is 5 micrograms per liter. Based on sample results for CA-PRSC-02-02 (between carbon units) and CA-PRSC-02-03 (after treatment), the treatment unit at the Activity

Center is effective in reducing the concentration of this chemical to less than the drinking water standard.

The next round of water sampling at your facility is scheduled for June 2009. If you have any questions, please call me at (757) 444-0781.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lora B. Fly', written in a cursive style.

LORA B. FLY
Remedial Project Manager
By Direction of the
Commanding Officer

Cc

Andrew Rapiejko (SCDHS)

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
(PECONIC RIVER SPORTSMANS CLUB)
NWIRP CALVERTON, NEW YORK
PAGE 1 of 3

Chemical	CAS No.	Federal MCLs ⁽¹⁾	NYSDOH MCLs ⁽²⁾	CA-PRSC-01 (Jan-08)	CA-PRSC-01 (June-08)	CA-PRSC-01 (Aug-08)	CA-PRSC-01 (Dec-08)	CA-PRSC-01 (Mar-09)	CA-PRSC-02-01 (Jan-08)	CA-PRSC-02-01 (DUP) (Jan-08)	CA-PRSC-02-01 (June-08)	CA-PRSC-02-01 (Aug-08)	CA-PRSC-02-01 (Dec-08)	CA-PRSC-02-01 (DUP) (Dec-08)	CA-PRSC-02-01 (Mar-09)
Volatile Organic Compounds															
1,1-Dichloroethane	75-34-3		5						12	12	7	13	12	12	12
1,1-Dichloroethene	75-35-4	7	5						5 J	4	4	5	5	5	3.3 J
1,2-Dichloroethane	107-06-2	5	5						0.5 J	0.6 J	0.6 J		0.4 J	0.4 J	
1,2-Dichloroethylene (total)	540-59-0		5						2 J	1 J	2 J	1 J	1 J	1 J	
Chloromethane	74-87-3		5												
cis-1,2-Dichloroethene	156-59-2		5						2 J	1 J	2	1 J	1	1	
Isopropylbenzene	98-82-8		5												
Methyl tert-butyl ether	1634-04-4		50												
Trichloroethene	79-01-6	5	5						0.8 J	0.8 J	0.7 J	0.6 J	0.9 J	0.9 J	
Vinyl Chloride	75-01-4	2									1 J				
Benzene	71-43-2	5	5										0.3 J	0.3 J	

Units are in µg/L (micrograms per liter)

CAS-Chemical Abstracts Service

MCL- Maximum contaminant level

NYSDOH-New York State Department of Health

Blank cells - No criteria or not detected

Bolded values are detections above criteria

<http://www.epa.gov/safewater/contaminants/index.html#primary>

Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH.

*Acetone was detected in some samples but is considered a lab contaminant

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
(PECONIC RIVER SPORTSMANS CLUB)
NWIRP CALVERTON, NEW YORK
PAGE 2 of 3

Chemical	CAS No.	Federal MCLs ⁽¹⁾	NYSDOH MCLs ⁽²⁾	CA-PRSC 02-02 (Jan-08)	CA-PRSC 02-02 (June-08)	CA-PRSC 02-02 (Aug-08)	CA-PRSC 02-02 (Dec-08)	CA-PRSC 02-02 (Mar-09)	CA-PRSC 02-03 (Jan-08)	CA-PRSC 02-03 (June-08)	CA-PRSC 02-03 DUP (June-08)	CA-PRSC 02-03 (Aug-08)	CA-PRSC 02-03 (Dec-08)	CA-PRSC 02-03 (Mar-09)	CA-PRSC 03 (Jan-08)	CA-PRSC 03 (June-08)	CA-PRSC 03 (Aug-08)	CA-PRSC 03 (Dec-08)
Volatile Organic Compounds																		
1,1-Dichloroethane	75-34-3		5				0.4 J											
1,1-Dichloroethene	75-35-4	7	5															
1,2-Dichloroethane	107-06-2	5	5			0.8 J												
1,2-Dichloroethylene (total)	540-59-0		5															
Chloromethane	74-87-3		5						0.8 J									
cis-1,2-Dichloroethene	156-59-2		5															
Isopropylbenzene	98-82-8		5	2 J		1	0.6 J				0.4 J	1						
Methyl tert-butyl ether	1634-04-4		50						0.7 J									
Trichloroethene	79-01-6	5	5															
Vinyl Chloride	75-01-4	2																
Benzene	71-43-2	5	5															

Units are in µg/L (micrograms per liter)

CAS-Chemical Abstracts Service

MCL- Maximum contaminant level

NYSDOH-New York State Department of Health

Blank cells - No criteria or not detected

Bolded values are detections above criteria

<http://www.epa.gov/safewater/contaminants/index.html#primary>

Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminant

*Acetone was detected in some samples but is considered a lab contaminant

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
(PECONIC RIVER SPORTSMANS CLUB)
NWIRP CALVERTON, NEW YORK
PAGE 3 of 3

Chemical	CAS No.	Federal MCLs ⁽¹⁾	NYSDOH MCLs ⁽²⁾	CA-PRSC 03 (Mar-09)	CA-PRSC 03 DUP (Mar-09)	CA-PRSC 04 (Jan-08)	CA-PRSC 04 (June-08)	CA-PRSC 04 (Aug-08)	CA-PRSC 04 (Dec-08)	CA-PRSC 04 (Mar-09)
Volatile Organic Compounds										
1,1-Dichloroethane	75-34-3		5							
1,1-Dichloroethene	75-35-4	7	5							
1,2-Dichloroethane	107-06-2	5	5							
1,2-Dichloroethylene (total)	540-59-0		5							
Chloromethane	74-87-3		5							
cis-1,2-Dichloroethene	156-59-2		5							
Isopropylbenzene	98-82-8		5							
Methyl tert-butyl ether	1634-04-4		50							
Trichloroethene	79-01-6	5	5							
Vinyl Chloride	75-01-4	2								
Benzene	71-43-2	5	5							

Units are in µg/L (micrograms per liter)

CAS-Chemical Abstracts Service

MCL- Maximum contaminant level

NYSDOH-New York State Department of Health

Blank cells - No criteria or not detected

Bolded values are detections above criteria

<http://www.epa.gov/safewater/contaminants/index.html#primary>

Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants

*Acetone was detected in some samples but is considered a lab contaminant

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-01

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 0903188

Matrix: (soil/water) WATER

Lab Sample ID: 0903188-07

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 0903188-0759

Level: (low/med) LOW

Date Received: 03/27/09

% Moisture: not dec. _____

Date Analyzed: 04/03/09

GC Column: SPB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
563-58-6	1,1-dichloropropene	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-01

Lab Name: COMPUCHEM Method: 8260B
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0903188
 Matrix: (soil/water) WATER Lab Sample ID: 0903188-07
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 0903188-0759
 Level: (low/med) LOW Date Received: 03/27/09
 % Moisture: not dec. Date Analyzed: 04/03/09
 GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
1330-20-7	Xylene (total)	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-02-03

Lab Name: COMPUCHEM Method: 8260B
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0903188
 Matrix: (soil/water) WATER Lab Sample ID: 0903188-04
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 0903188-0459
 Level: (low/med) LOW Date Received: 03/27/09
 % Moisture: not dec. _____ Date Analyzed: 04/03/09
 GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
75-35-4	1,1-Dichloroethene	3.3	J
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
563-58-6	1,1-dichloropropene	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-02-^{D1}~~03~~

Lab Name: COMPUCHEM Method: 8260B
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0903188
 Matrix: (soil/water) WATER Lab Sample ID: 0903188-04
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 0903188-0459
 Level: (low/med) LOW Date Received: 03/27/09
 % Moisture: not dec. Date Analyzed: 04/03/09
 GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
1330-20-7	Xylene (total)	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-02-02

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 0903188

Matrix: (soil/water) WATER

Lab Sample ID: 0903188-05

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 0903188-0559

Level: (low/med) LOW

Date Received: 03/27/09

% Moisture: not dec. _____

Date Analyzed: 04/03/09

GC Column: SPB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
563-58-6	1,1-dichloropropene	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-02-02

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 0903188

Matrix: (soil/water) WATER

Lab Sample ID: 0903188-05

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 0903188-0559

Level: (low/med) LOW

Date Received: 03/27/09

% Moisture: not dec. _____

Date Analyzed: 04/03/09

GC Column: SPB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

100-41-4-----	Ethylbenzene	5.0	U
100-42-5-----	Styrene	5.0	U
75-25-2-----	Bromoform	5.0	U
98-82-8-----	Isopropyl Benzene	5.0	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1-----	1,3-Dichlorobenzene	5.0	U
106-46-7-----	1,4-Dichlorobenzene	5.0	U
95-50-1-----	1,2-Dichlorobenzene	5.0	U
96-12-8-----	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1-----	1,2,4-Trichlorobenzene	5.0	U
91-20-3-----	Naphthalene	5.0	U
1330-20-7-----	Xylene (total)	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-02-01⁰³

Lab Name: COMPUCHEM Method: 8260B
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0903188
 Matrix: (soil/water) WATER Lab Sample ID: 0903188-06
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 0903188-0659
 Level: (low/med) LOW Date Received: 03/27/09
 % Moisture: not dec. Date Analyzed: 04/03/09
 GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
563-58-6	1,1-dichloropropene	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-02-01⁰³

Lab Name: COMPUCHEM Method: 8260B
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0903188
 Matrix: (soil/water) WATER Lab Sample ID: 0903188-06
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 0903188-0659
 Level: (low/med) LOW Date Received: 03/27/09
 % Moisture: not dec. Date Analyzed: 04/03/09
 GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
1330-20-7	Xylene (total)	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-03

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 0903188

Matrix: (soil/water) WATER

Lab Sample ID: 0903188-01

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 0903188-0159

Level: (low/med) LOW

Date Received: 03/27/09

% Moisture: not dec. _____

Date Analyzed: 04/03/09

GC Column: SPB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
563-58-6	1,1-dichloropropene	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-03

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 0903188

Matrix: (soil/water) WATER

Lab Sample ID: 0903188-01

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 0903188-0159

Level: (low/med) LOW

Date Received: 03/27/09

% Moisture: not dec. _____

Date Analyzed: 04/03/09

GC Column: SPB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4-----	Ethylbenzene	5.0	U
100-42-5-----	Styrene	5.0	U
75-25-2-----	Bromoform	5.0	U
98-82-8-----	Isopropyl Benzene	5.0	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1-----	1,3-Dichlorobenzene	5.0	U
106-46-7-----	1,4-Dichlorobenzene	5.0	U
95-50-1-----	1,2-Dichlorobenzene	5.0	U
96-12-8-----	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1-----	1,2,4-Trichlorobenzene	5.0	U
91-20-3-----	Naphthalene	5.0	U
1330-20-7-----	Xylene (total)	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-04

Lab Name: COMPUCHEM Method: 8260B
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0903188
 Matrix: (soil/water) WATER Lab Sample ID: 0903188-02
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 0903188-0259
 Level: (low/med) LOW Date Received: 03/27/09
 % Moisture: not dec. _____ Date Analyzed: 04/03/09
 GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
563-58-6	1,1-dichloropropene	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-04

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 0903188

Matrix: (soil/water) WATER

Lab Sample ID: 0903188-02

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 0903188-0259

Level: (low/med) LOW

Date Received: 03/27/09

% Moisture: not dec. _____

Date Analyzed: 04/03/09

GC Column: SPB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

100-41-4-----	Ethylbenzene	5.0	U
100-42-5-----	Styrene	5.0	U
75-25-2-----	Bromoform	5.0	U
98-82-8-----	Isopropyl Benzene	5.0	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1-----	1,3-Dichlorobenzene	5.0	U
106-46-7-----	1,4-Dichlorobenzene	5.0	U
95-50-1-----	1,2-Dichlorobenzene	5.0	U
96-12-8-----	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1-----	1,2,4-Trichlorobenzene	5.0	U
91-20-3-----	Naphthalene	5.0	U
1330-20-7-----	Xylene (total)	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-DUP01

Lab Name: COMPUCHEM

Method: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 0903188

Matrix: (soil/water) WATER

Lab Sample ID: 0903188-03

Sample wt/vol: 5 (g/ml) ML

Lab File ID: 0903188-0359

Level: (low/med) LOW

Date Received: 03/27/09

% Moisture: not dec. _____

Date Analyzed: 04/03/09

GC Column: SPB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
563-58-6	1,1-dichloropropene	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA-PRSC-DUP01

Lab Name: COMPUCHEM Method: 8260B
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0903188
 Matrix: (soil/water) WATER Lab Sample ID: 0903188-03
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 0903188-0359
 Level: (low/med) LOW Date Received: 03/27/09
 % Moisture: not dec. Date Analyzed: 04/03/09
 GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoforn	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U
1330-20-7	Xylene (total)	5.0	U