

Report, HW314078, 11.20.1997
GW Data - April - 1997 IBM
953.

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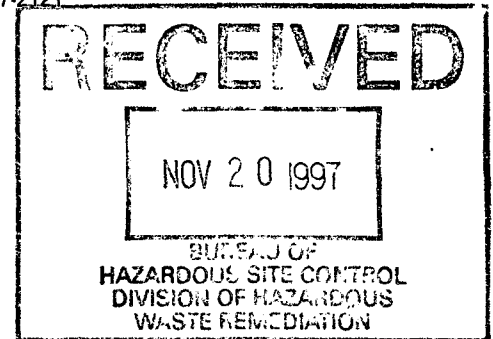


International Business Machines Corporation

East Fishkill Facility, Route 52
Hopewell Junction, New York 12533
914/897-2121

November 19, 1997

Mr. Daniel Eaton
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, New York 12233-1010



Re: *Transmittal of 1997 Sampling Data, Former Leased Property IBM Building 953
Dutchess County Airport Hangar Facility
New York State Registry Number 314078*

Dear Mr. Eaton:

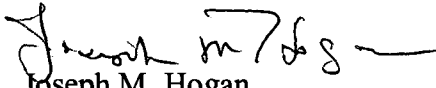
In response to your request of August 12, 1997, attached, please find groundwater sampling data associated with the April 1997 sampling event and a follow-up sampling of one well during September 1997 at the Former Leased Property, IBM Building 953. Groundwater samples were collected by Groundwater Sciences Corporation and submitted to EnviroTest Laboratories Inc., an ELAP certified laboratory for analysis. Included for your review are copies of the following information relating to these two sampling events: validated Form Is (groundwater and field QA/QC sample results), Sampling Field Data Sheets, Case Narratives, Chain of Custody forms and QA/QC data summary tables (Forms II, III and IV, V and VIII). Also included is a copy of the current site map. Following is a brief summary which provides additional information relating to the attached documents.

As per the Groundwater Sampling and Analysis Plan for this site, each sample was assigned a unique field ID which is a combination of the location ID and date sampled, this is indicated on the laboratory Form I as the "Client ID". For ease of review, however, the location ID has been hand written on each form and the validated Form Is have been arranged numerically by well number and then field QA/QC sample type (Equipment Rinse Blank, Field Blank and Trip Blank). Field parameter measurements are performed during sample collection and those results, therefore, are presented on the Sampling Field Data sheet under the "Sampling" section of this form.

The laboratory data Form Is included in this transmittal were validated using criteria, presented in *SOP No. HW-8, Revision 8, CLP Organic Data Review and Preliminary Review*, dated January 1992. Shown on the attached Form Is are the results of the validation process. It should be noted that in several instances, either laboratory method blanks or field QA/QC results, or both, reportedly detected several target compounds (e.g. Methylene Chloride) and the associated results were validated, as per the cited protocol, based on those detections. In addition to blank contamination, deliverables were reviewed for completeness and accuracy; chain of custody record; holding time; system monitoring compound recovery (Form II); matrix spike / matrix spike duplicate results (Form III); method blank summary (Form IV); GC/MS instrument performance, if applicable (Form V); initial and continuing calibration results and; internal standards results, if applicable (Form VIII).

Should you have any questions regarding this transmittal, please call Michele West at (914) 894-5536.

Sincerely,
International Business Machines Corporation

A handwritten signature in dark ink, appearing to read "Joe M. Hogan", with a horizontal line extending to the right.

Joseph M. Hogan
Manager, Environmental Health and Safety

Attachment

cc: Keith Browne, NYSDEC
John Burn, NYSDEC
Maureen Schuck, NYSDOH
Michele J. West, IBM
Daniela Kresic-Combe, IBM
James K. Guerin, IBM

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0001S70417G	Date Collected: 17-APR-97
ETL Sample Number: 171955-07	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 25-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0695.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	1.9	U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	.5	U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Davis
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0003R70422G	Date Collected: 22-APR-97
ETL Sample Number: 172063-14	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 30-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0825.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

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9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0004G70422G	Date Collected: 22-APR-97
ETL Sample Number: 172063-13	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 02-MAY-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0913.D
Level: LOW	Dilution Factor: 1.00

A-4G

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		UJ
75-71-8	Dichlorodifluoromethane	1		UJ
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

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9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0006G70418G	Date Collected: 18-APR-97
ETL Sample Number: 171993-02	Date Received: 21-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01 ROUTINE	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0745.D
Level: LOW	Dilution Factor: 1.00

A-6G

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1.1 u	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	2.3 u	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0011S70418G	Date Collected: 18-APR-97
ETL Sample Number: 171993-04	Date Received: 21-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01 ROUTINE	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0749.D
Level: LOW	Dilution Factor: 1.00

A-115

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	29	U
540-59-0	Total-1,2-Dichloroethene	1	.9	J
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	7	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	1.8	U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DBB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0014S70418G	Date Collected: 18-APR-97
ETL Sample Number: 171993-06	Date Received: 21-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01 ROUTINE	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0753.D
Level: LOW	Dilution Factor: 1.00

A-14S

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1	4.2	U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	8u
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	8.7	U
540-59-0	Total-1,2-Dichloroethene	1	1.3	U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	8	8u
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	1.5	U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

000039

Volatile Organics Analysis Data Sheet
Form 1 VOA
601-FREON113

Client ID: A0014S70929G	Date Collected: 29-SEP-97
ETL Sample Number: 177143-04	Date Received: 29-SEP-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 03-OCT-97
% Solid: NA	Report Date: 29-OCT-97
Matrix: 2 GW/W	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A5389.D
Level: LOW	Dilution Factor: 1.00

A-145

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1	1.8	U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1.6	U
75-69-4	Trichlorofluoromethane	1	1.6	U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	20	U
540-59-0	Total-1,2-Dichloroethene	1	3.7	U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1.6	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1	0.3	U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	2.8	U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
11/3/97

Volatile Organics Analysis Data Sheet
Form 1 VOA
601-FREON113

Client ID: A0014S70929D	Date Collected: 29-SEP-97
ETL Sample Number: 177143-05	Date Received: 29-SEP-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 03-OCT-97
X Solid: NA	Report Date: 29-OCT-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A5425.D
Level: LOW	Dilution Factor: 1.00

A-14S
replicate

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		UJ
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		UJ
75-01-4	Vinyl Chloride	1	1.6	
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	20	
540-59-0	Total-1,2-Dichloroethene	1	3.5	
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1.5	
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1	0.5	U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,1,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	2.6	
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB 11/3/97

Inorganics Analysis Data Sheet
Form I - IN

Client Name: Groundwater Sciences Corp. Project Name: 88013.01
ETL Sample Number: 172063-06
Client I.D.: A0018S70421G A-18S
Date Collected: 21-APR-97 Matrix: 2 GW/WW
Date Received: 22-APR-97
Comments:

Analysis	Result	Units	Method	Analyzed
Total Petroleum Hydrocarbons	0.6	MG/L	418.1	24-APR-97

Remarks:

000176

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0020S70417G	Date Collected: 17-APR-97
ETL Sample Number: 171955-06	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 25-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0693.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1	42	
75-00-3	Chloroethane	1	14	
75-09-2	Methylene Chloride	1	1	ju
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	28	
540-59-0	Total-1,2-Dichloroethene	1	4	
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	3.4	
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1	.5	J
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	14	
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

A-20S

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

20S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-06

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5385

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

62-75-9-----n-Nitrosodimethylamine	10.	U
111-44-4-----bis(2-Chloroethyl) ether	10.	U
541-73-1-----1,3-Dichlorobenzene	10.	U
106-46-7-----1,4-Dichlorobenzene	10.	U
95-50-1-----1,2-Dichlorobenzene	10.	U
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy) methane	10.	U
120-82-1-----1,2,4-Trichlorobenzene	10.	U
91-20-3-----Naphthalene	390 280.	BD
106-47-8-----4-Chloroaniline	10.	U
87-68-3-----Hexachlorobutadiene	10.	U
91-57-6-----2-Methylnaphthalene	9.	J
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

FORM I SV-1

3/90

Envirotest

000293

315 Fullerton Avenue
Newburgh, NY 12550
(914) 562-0890

A-20S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

20S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-06

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5385

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	U
56-55-3-----	Benzo(a)anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----	Di-n-Octylphthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)fluoranthene	10.	U
50-32-8-----	Benzo(a)pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----	Dibenz(a,h)anthracene	10.	U
191-24-2-----	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-20S

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

20S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-06

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5385

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	trimethylbenzene isomer	6.77	52.	J
2.	trimethylbenzene isomer	7.18	140.	J
3. 496-11-7	Indane	7.38	86.	J
4.	diethylbenzene isomer	7.53	45.	J
5.	methylpropylbenzene isomer	7.58	80.	J
6.	methylmethylethylbenzene iso	7.67	200.	J
7.	methylpropylbenzene isomer	7.79	49.	J
8.	ethyl dimethylbenzene isomer	7.94	120.	J
9.	ethyl dimethylbenzene isomer	7.98	140.	J
10.	ethyl dimethylbenzene isomer	8.34	4.	J
11.	tetramethylbenzene isomer	8.52	8.	J
12.	tetramethylbenzene isomer	8.59	9.	J
13.	C10H12 isomer	8.84	5.	J
14.	C10H12 isomer	8.98	13.	J
15.	C9H10 isomer	11.92	6.	J
16.	C9H10 isomer	12.08	4.	J
17. 126-73-8	Phosphoric acid tributyl est	14.39	36.	J
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-20S
EPA SAMPLE NO.

20S70417GDL

Lab Name: ENVIROTEST LABS INC Contract: 88013.01

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: GS911

Matrix: (soil/water) WATER Lab Sample ID: 171955-06DL

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S5404

Level: (low/med) LOW Date Received: 4/18/97

% Moisture: decanted: (Y/N) Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 0.0

DAB
4/24/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9-----	n-Nitrosodimethylamine	50.	U
111-44-4-----	bis(2-Chloroethyl) ether	50.	U
541-73-1-----	1,3-Dichlorobenzene	50.	U
106-46-7-----	1,4-Dichlorobenzene	50.	U
95-50-1-----	1,2-Dichlorobenzene	50.	U
100-57-6-----	Benzyl alcohol	50.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	50.	U
67-72-1-----	Hexachloroethane	50.	U
621-64-7-----	N-Nitroso-di-n-propylamine	50.	U
989-53-0-----	Nitrobenzene	50.	U
78-59-1-----	Isophorone	50.	U
111-91-1-----	bis(2-Chloroethoxy)methane	50.	U
120-82-1-----	1,2,4-Trichlorobenzene	50.	U
91-20-3-----	Naphthalene	390.	D
106-47-8-----	4-Chloroaniline	50.	U
87-68-3-----	Hexachlorobutadiene	50.	U
91-57-6-----	2-Methylnaphthalene	10.	DJ
77-47-4-----	Hexachlorocyclopentadiene	50.	U
91-58-7-----	2-Chloronaphthalene	50.	U
88-74-4-----	2-Nitroaniline	120.	U
208-96-8-----	Acenaphthylene	50.	U
131-11-3-----	Dimethylphthalate	50.	U
606-20-2-----	2,6-Dinitrotoluene	50.	U
83-32-9-----	Acenaphthene	50.	U
99-09-2-----	3-Nitroaniline	120.	U
132-64-9-----	Dibenzofuran	50.	U
121-14-2-----	2,4-Dinitrotoluene	50.	U
86-73-7-----	Fluorene	50.	U
7005-72-3-----	4-Chlorophenyl-phenylether	50.	U
84-66-2-----	Diethylphthalate	50.	U
100-01-6-----	4-Nitroaniline	120.	U
86-30-6-----	n-Nitrosodiphenylamine (1)	50.	U
101-55-3-----	4-Bromophenyl-phenylether	50.	U

A-20S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

20S70417GDL

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-06DL

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: 85404

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

118-74-1-----	Hexachlorobenzene	50.	U
85-01-8-----	Phenanthrene	50.	U
120-12-7-----	Anthracene	50.	U
84-74-2-----	Di-n-butylphthalate	50.	U
206-44-0-----	Fluoranthene	50.	U
129-00-0-----	Pyrene	50.	U
85-68-7-----	Butylbenzylphthalate	50.	U
91-94-1-----	3,3'-Dichlorobenzidine	100.	U
56-55-3-----	Benzo(a)anthracene	50.	U
218-01-9-----	Chrysene	50.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	50.	U
117-84-0-----	Di-n-Octylphthalate	50.	U
205-99-2-----	Benzo(b)fluoranthene	50.	U
207-08-9-----	Benzo(k)fluoranthene	50.	U
50-32-8-----	Benzo(a)pyrene	50.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	50.	U
53-70-3-----	Dibenz(a,h)anthracene	50.	U
191-24-2-----	Benzo(g,h,i)perylene	50.	U

(1) - Cannot be separated from Diphenylamine

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0021G70422G	Date Collected: 22-APR-97
ETL Sample Number: 172063-10	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 29-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0817.D
Level: LOW	Dilution Factor: 1.00

A-21G

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1	u
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1.7	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

BAB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0021R70422G	Date Collected: 22-APR-97
ETL Sample Number: 172063-12	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 30-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0821.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1.4	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DMS
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0021S70418G	Date Collected: 18-APR-97
ETL Sample Number: 171993-05	Date Received: 21-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01 ROUTINE	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0751.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1.1	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1	1.2	U
75-34-3	1,1-Dichloroethane	1	4.4	U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1.3	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	.6	U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DMB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0022R70421G	A-22R	Date Collected: 21-APR-97
ETL Sample Number: 172063-04		Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 29-APR-97
% Solid: NA		Report Date: 16-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0785.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	8 u
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DMS
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREDN113

Client ID: A0023R70421G	A-23R	Date Collected: 21-APR-97
ETL Sample Number: 172063-01		Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 28-APR-97
% Solid: NA		Report Date: 16-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0779.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1.2 u	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

000045

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0024R70421G	Date Collected: 21-APR-97
ETL Sample Number: 172063-05	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 29-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0787.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	x	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0025R70418G	Date Collected: 18-APR-97
ETL Sample Number: 171993-03	Date Received: 21-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01 ROUTINE	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0747.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DMS
9/24/97

000030

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0026G70418G	Date Collected: 18-APR-97
ETL Sample Number: 171993-01	Date Received: 21-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01 ROUTINE	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0743.0
Level: LOW	Dilution Factor: 1.00

A-266

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DMS
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0026S70417G	Date Collected: 17-APR-97
ETL Sample Number: 171955-09	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 25-APR-97
X Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0719.D
Level: LOW	Dilution Factor: 1.00

A-26S

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	24	J
540-59-0	Total-1,2-Dichloroethene	1	.5	J
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

A-26S

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

26S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-09

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5386

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl) ether	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy) methane	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

A-26S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

26S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-09

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5386

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	U
56-55-3-----	Benzo(a)anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----	Di-n-Octylphthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)fluoranthene	10.	U
50-32-8-----	Benzo(a)pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----	Dibenz(a,h)anthracene	10.	U
191-24-2-----	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-26S

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

26S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-09

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5386

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				

FORM I SV-TIC

000425 3/90

EnviroTest

315 Fullerton Avenue
Newburgh, NY 12550
(914) 562-0890
FAX (914) 562-0841

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0027G70417G	Date Collected: 17-APR-97
ETL Sample Number: 171955-03	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 25-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0683.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1.2 u	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DMS
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0027S70417G	A-27S	Date Collected: 17-APR-97
ETL Sample Number: 171955-05		Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 25-APR-97
% Solid: NA		Report Date: 15-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0691.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1	11	
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	27	
540-59-0	Total-1,2-Dichloroethene	1	7.1	
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	.5	
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	3.3	
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0028S70417G	A-28S	Date Collected: 17-APR-97
ETL Sample Number: 171955-01		Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 24-APR-97
% Solid: NA		Report Date: 15-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0679.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1	14	
75-00-3	Chloroethane	1	1.2	
75-09-2	Methylene Chloride	1	1.4 u	
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	33	
540-59-0	Total 1,2-Dichloroethene	1	16	
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

LAB
9/24/97

A-28S

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

28S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-01

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5384

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

62-75-9-----n-Nitrosodimethylamine	10.	U
111-44-4-----bis(2-Chloroethyl) ether	10.	U
541-73-1-----1,3-Dichlorobenzene	10.	U
106-46-7-----1,4-Dichlorobenzene	10.	U
95-50-1-----1,2-Dichlorobenzene	10.	U
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy)methane	10.	U
120-82-1-----1,2,4-Trichlorobenzene	10.	U
91-20-3-----Naphthalene	30.	
106-47-8-----4-Chloroaniline	10.	U
87-68-3-----Hexachlorobutadiene	10.	U
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-28S
EPA SAMPLE NO.

28S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-01

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5384

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	U
56-55-3-----	Benzo (a) anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10.	U
117-84-0-----	Di-n-Octylphthalate	10.	U
205-99-2-----	Benzo (b) fluoranthene	10.	U
207-08-9-----	Benzo (k) fluoranthene	10.	U
50-32-8-----	Benzo (a) pyrene	10.	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10.	U
53-70-3-----	Dibenz (a,h) anthracene	10.	U
191-24-2-----	Benzo (g,h,i) perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-285

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

28S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-01

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5384

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ethylmethylbenzene isomer	6.77	3.	J
2.	ethylmethylbenzene isomer	7.17	9.	J
3. 496-11-7	Indane	7.38	10.	J
4.	ethyldimethylbenzene isomer	7.53	3.	J
5. 135-98-8	Benzene, (1-methylpropyl)-	7.57	3.	J
6.	ethyldimethylbenzene isomer	7.66	10.	J
7.	methylpropylbenzene isomer	7.79	2.	J
8.	ethyldimethylbenzene isomer	7.93	7.	J
9.	methylmethylethylbenzene iso	7.97	7.	J
10.	ethyldimethylbenzene isomer	8.33	4.	J
11.	tetramethylbenzene isomer	8.50	8.	J
12.	tetramethylbenzene isomer	8.55	13.	J
13.	C10H12 isomer	8.83	6.	J
14. 62016-49-3	Butane, 2-methoxy-3-methyl-	8.96	39.	J
15.	Unknown	14.60	3.	J
16. 2088-07-5	1-Penten-3-ol, 2-methyl-	18.23	3.	J
17.	Unknown	20.42	2.	J
18.	Unknown	21.58	3.	J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0030G70421G	Date Collected: 21-APR-97
ETL Sample Number: 172063-03	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 28-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0783.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1.2	U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1	.9	U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB 9/24/97

Inorganics Analysis Data Sheet
Form I - IN

Client Name: Groundwater Sciences Corp. Project Name: 88013.01
ETL Sample Number: 172063-15 A-33S
Client I.D.: A0033S70422G
Date Collected: 22-APR-97 Matrix: 2 GW/MW
Date Received: 22-APR-97
Comments:

Analysis	Result	Units	Method	Analyzed
Total Petroleum Hydrocarbons	0.4 U	MG/L	418.1	24-APR-97

Remarks:

Inorganics Analysis Data Sheet
Form I - IN

Client Name: Groundwater Sciences Corp.

Project Name: 88013.01.

ETL Sample Number: 172063-08

A-345

Client I.D.: A0034S70421G

Date Collected: 21-APR-97

Matrix: 2 GW/WW

Date Received: 22-APR-97

Comments:

Analysis	Result	Units	Method	Analyzed
Total Petroleum Hydrocarbons	0.7	MG/L	418.1	24-APR-97

Remarks:

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0036S70416G	Date Collected: 16-APR-97
ETL Sample Number: 171911-07	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 23-APR-97
% Solid: NA	Report Date: 09-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0639.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	1.5	
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	1.8	
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	.9	J
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

36S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-07

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5383

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

62-75-9-----	n-Nitrosodimethylamine	10.	U
111-44-4-----	bis(2-Chloroethyl) ether	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
100-57-6-----	Benzyl alcohol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----	Hexachloroethane	10.	U
621-64-7-----	N-Nitroso-di-n-propylamine	10.	U
989-53-0-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
111-91-1-----	bis(2-Chloroethoxy) methane	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	130 110.	ED
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
91-57-6-----	2-Methylnaphthalene	210 170.	ED
77-47-4-----	Hexachlorocyclopentadiene	10.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
208-96-8-----	Acenaphthylene	10.	U
131-11-3-----	Dimethylphthalate	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
83-32-9-----	Acenaphthene	5.	J
99-09-2-----	3-Nitroaniline	25.	U
132-64-9-----	Dibenzofuran	7.	J
121-14-2-----	2,4-Dinitrotoluene	10.	U
86-73-7-----	Fluorene	12.	
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
84-66-2-----	Diethylphthalate	10.	U
100-01-6-----	4-Nitroaniline	25.	U
86-30-6-----	n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U

FORM I SV-1

3/90

A-36S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

36S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-07

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5383

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	10.	
120-12-7-----Anthracene	1.	J
84-74-2-----Di-n-butylphthalate	10.	U
206-44-0-----Fluoranthene	10.	U
129-00-0-----Pyrene	10.	U
85-68-7-----Butylbenzylphthalate	10.	U
91-94-1-----3,3'-Dichlorobenzidine	20.	U
56-55-3-----Benzo(a)anthracene	10.	U
218-01-9-----Chrysene	10.	U
117-81-7-----bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----Di-n-Octylphthalate	10.	U
205-99-2-----Benzo(b)fluoranthene	10.	U
207-08-9-----Benzo(k)fluoranthene	10.	U
50-32-8-----Benzo(a)pyrene	10.	U
193-39-5-----Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----Dibenz(a,h)anthracene	10.	U
191-24-2-----Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-36S

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

36S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-07

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5383

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.86-74-2	Carbazole	16.45	5.	J
2.108-38-3	dimethylbenzene isomer	4.92	27.	J
3.	ethylmethylbenzene isomer	6.27	24.	J
4.	trimethylbenzene isomer	6.40	27.	J
5.	ethylmethylbenzene isomer	6.53	31.	J
6.	trimethylbenzene isomer	6.78	57.	J
7.	ethyl dimethylbenzene isomer	7.67	25.	J
8.	methylmethyl ethylbenzene iso	7.97	32.	J
9.92-52-4	Biphenyl	11.83	26.	J
10.629-59-4	Tetradecane	11.92	39.	J
11.	ethylnaphthalene isomer	12.01	41.	J
12.	dimethylnaphthalene isomer	12.16	72.	J
13.	dimethylnaphthalene isomer	12.31	100.	J
14.	dimethylnaphthalene isomer	12.35	37.	J
15.	dimethylnaphthalene isomer	12.53	40.	J
16.	unknown C ₁₉ H ₂₀	12.57	26.	J
17.	diethylnaphthalene isomer	12.69	34.	J
18.	Decahydro-4,4,8,9,10-pentame	12.80	36.	J
19.2027-17-0	Naphthalene, 2-(1-methylethy	13.21	24.	J
20.	trimethylnaphthalene isomer	13.65	43.	J
21.	C ₁₉ H ₄₀ isomer	15.01	26.	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

A-36S

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

36S70416GDL

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-07DE

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5403

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

62-75-9-----	n-Nitrosodimethylamine	50.	U
111-44-4-----	bis(2-Chloroethyl) ether	50.	U
541-73-1-----	1,3-Dichlorobenzene	50.	U
106-46-7-----	1,4-Dichlorobenzene	50.	U
95-50-1-----	1,2-Dichlorobenzene	50.	U
100-57-6-----	Benzyl alcohol	50.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	50.	U
67-72-1-----	Hexachloroethane	50.	U
621-64-7-----	N-Nitroso-di-n-propylamine	50.	U
989-53-0-----	Nitrobenzene	50.	U
78-59-1-----	Isophorone	50.	U
111-91-1-----	bis(2-Chloroethoxy) methane	50.	U
120-82-1-----	1,2,4-Trichlorobenzene	50.	U
91-20-3-----	Naphthalene	130.	D
106-47-8-----	4-Chloroaniline	50.	U
87-68-3-----	Hexachlorobutadiene	50.	U
91-57-6-----	2-Methylnaphthalene	210.	D
77-47-4-----	Hexachlorocyclopentadiene	50.	U
91-58-7-----	2-Chloronaphthalene	50.	U
88-74-4-----	2-Nitroaniline	120.	U
208-96-8-----	Acenaphthylene	50.	U
131-11-3-----	Dimethylphthalate	50.	U
606-20-2-----	2,6-Dinitrotoluene	50.	U
83-32-9-----	Acenaphthene	50.	U
99-09-2-----	3-Nitroaniline	120.	U
132-64-9-----	Dibenzofuran	7.	DJ
121-14-2-----	2,4-Dinitrotoluene	50.	U
86-73-7-----	Fluorene	11.	DJ
7005-72-3-----	4-Chlorophenyl-phenylether	50.	U
84-66-2-----	Diethylphthalate	50.	U
100-01-6-----	4-Nitroaniline	120.	U
86-30-6-----	n-Nitrosodiphenylamine (1)	50.	U
101-55-3-----	4-Bromophenyl-phenylether	50.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

36S70416GDL

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-07DL

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5403

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----	Hexachlorobenzene	50.	U
85-01-8-----	Phenanthrene	11.	DJ
120-12-7-----	Anthracene	50.	U
84-74-2-----	Di-n-butylphthalate	50.	U
206-44-0-----	Fluoranthene	50.	U
129-00-0-----	Pyrene	50.	U
85-68-7-----	Butylbenzylphthalate	50.	U
91-94-1-----	3,3'-Dichlorobenzidine	100.	U
56-55-3-----	Benzo(a)anthracene	50.	U
218-01-9-----	Chrysene	50.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	50.	U
117-84-0-----	Di-n-Octylphthalate	50.	U
205-99-2-----	Benzo(b)fluoranthene	50.	U
207-08-9-----	Benzo(k)fluoranthene	50.	U
50-32-8-----	Benzo(a)pyrene	50.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	50.	U
53-70-3-----	Dibenz(a,h)anthracene	50.	U
191-24-2-----	Benzo(g,h,i)perylene	50.	U

(1) - Cannot be separated from Diphenylamine

Inorganics Analysis Data Sheet
Form I - IN

Client Name: Groundwater Sciences Corp. Project Name: 88013.01
ETL Sample Number: 171911-07
Client I.D.: A0036S70416G A-36S
Date Collected: 16-APR-97 Matrix: 2 GW/WW
Date Received: 17-APR-97
Comments:

Analysis	Result	Units	Method	Analyzed
Total Petroleum Hydrocarbons	7.5	MG/L	418.1	22-APR-97

Remarks:

Inorganics Analysis Data Sheet
Form I - IN

Client Name: Groundwater Sciences Corp. Project Name: 88013.01
ETL Sample Number: 172063-07
Client I.D.: A0039S70421G A-39S
Date Collected: 21-APR-97 Matrix: 2 GW/WW
Date Received: 22-APR-97
Comments:

Analysis	Result	Units	Method	Analyzed
Total Petroleum Hydrocarbons	0.4 U	MG/L	418.1	24-APR-97

Remarks:

000177

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0040S70416G	Date Collected: 16-APR-97
ETL Sample Number: 171911-04	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 24-APR-97
% Solid: NA	Report Date: 09-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 2.5ml	Lab File Id: A0675.D
Level: LOW	Dilution Factor: 2.00

A-40S

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	2		U
74-83-9	Bromomethane	2		U
75-71-8	Dichlorodifluoromethane	2		U
75-01-4	Vinyl Chloride	2	89	
75-00-3	Chloroethane	2	33	
75-09-2	Methylene Chloride	2		U
75-69-4	Trichlorofluoromethane	2		U
75-35-4	1,1-Dichloroethene	2	1.2	J
75-34-3	1,1-Dichloroethane	2	530 170	E D
540-59-0	Total-1,2-Dichloroethene	2	96	
67-66-3	Chloroform	2		U
107-06-2	1,2-Dichloroethane	2		U
71-55-6	1,1,1-Trichloroethane	2		U
56-23-5	Carbon Tetrachloride	2		U
75-27-4	Bromodichloromethane	2		U
78-87-5	1,2-Dichloropropane	2		U
10061-01-5	cis-1,3-Dichloropropene	2		U
79-01-6	Trichloroethene	2	2.1	
124-48-1	Dibromochloromethane	2		U
10061-02-6	trans-1,3-Dichloropropene	2		U
79-00-5	1,1,2-Trichloroethane	2		U
110-75-8	2-Chloroethylvinyl Ether	2		U
75-25-2	Bromoform	2		U
79-34-5	1,1,2,2-Tetrachloroethane	2		U
127-18-4	Tetrachloroethene	2	1.6	J
108-90-7	Chlorobenzene	2		U
541-73-1	1,3-Dichlorobenzene	2		U
95-50-1	1,2-Dichlorobenzene	2		U
106-46-7	1,4-Dichlorobenzene	2		U
76-13-1	Freon 113	2		U

DAB
9/24/97

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: A0040S70416GDL
EnviroTest Lab No.: 171911-04DL
Client Name: Groundwater Sciences Corp.
Project Name: 88013.01
% Solid:
Matrix: Water
Sample Wt/Vol.: 0.5
Level: Low

A-40S

Date Collected: 4/16/97
Date Received: 4/17/97
Date Extracted:
Date Analyzed: 4/24/97
Report Date: 5/8/97
Column: Rtx-502.2 0.53mm
Lab File ID: A0631.D
Dilution Factor: 10

CAS No.	Compound	Detection Limit ug/l	Conc ug/l
74-87-3	Chloromethane	10.0	U
74-83-9	Bromomethane	10.0	U
75-71-8	Dichlorodifluoromethane	10.0	U
75-01-4	Vinyl Chloride	10.0	87.0 D
75-00-3	Chloroethane	10.0	34.0 D
75-09-2	Methylene Chloride	10.0	U
75-69-4	Trichlorofluoromethane	10.0	U
75-35-4	1,1-Dichloroethene	10.0	U
75-34-3	1,1-Dichloroethane	10.0	170.0 D
540-59-0	Total -1,2-Dichloroethene	10.0	110.0 D
67-66-3	Chloroform	10.0	U
107-06-2	1,2-Dichloroethane	10.0	U
71-55-6	1,1,1-Trichloroethane	10.0	U
56-23-5	Carbon Tetrachloride	10.0	U
75-27-4	Bromodichloromethane	10.0	U
78-87-5	1,2-Dichloropropane	10.0	U
10061-01-5	cis-1,3-Dichloropropene	10.0	U
79-01-6	Trichloroethene	10.0	U
124-48-1	Dibromochloromethane	10.0	U
10061-02-6	trans-1,3-Dichloropropene	10.0	U
79-00-3	1,1,2-Trichloroethane	10.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
75-25-2	Bromoform	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U
127-18-4	Tetrachloroethene	10.0	U
108-90-7	Chlorobenzene	10.0	U
541-73-1	1,3-Dichlorobenzene	10.0	U
95-50-1	1,2-Dichlorobenzene	10.0	U
106-46-7	1,4-Dichlorobenzene	10.0	U
76-13-1	Freon 113	10.0	U
354-23-4	Freon 123A	10.0	U

FORM I -VOA

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: A0040S70416G	A-40S	Date Collected: 16-APR-97
ETL Sample Number: 171911-04		Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 24-APR-97
% Solid: NA		Report Date: 09-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 2.5ml		Lab File Id: A0674.D
Level: LOW		Dilution Factor: 2.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	2		U
108-88-3	Toluene	2	13	
108-90-7	Chlorobenzene	2		U
100-41-4	Ethylbenzene	2		U
541-73-1	1,3-Dichlorobenzene	2		U
95-50-1	1,2-Dichlorobenzene	2		U
106-46-7	1,4-Dichlorobenzene	2		U
1330-20-7	Xylenes, total	2	33	

A-40S

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

40S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-04

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5381

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

62-75-9-----n-Nitrosodimethylamine	10.	U
111-44-4-----bis(2-Chloroethyl) ether	10.	U
541-73-1-----1,3-Dichlorobenzene	10.	U
106-46-7-----1,4-Dichlorobenzene	10.	U
95-50-1-----1,2-Dichlorobenzene	10.	U
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy) methane	10.	U
120-82-1-----1,2,4-Trichlorobenzene	10.	U
91-20-3-----Naphthalene	800 590.	ED
106-47-8-----4-Chloroaniline	10.	U
87-68-3-----Hexachlorobutadiene	10.	U
91-57-6-----2-Methylnaphthalene	17.	
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

FORM I SV-1

3/90

A-40S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

40S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-04

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5381

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	10.	U
120-12-7-----Anthracene	10.	U
84-74-2-----Di-n-butylphthalate	10.	U
206-44-0-----Fluoranthene	10.	U
129-00-0-----Pyrene	10.	U
85-68-7-----Butylbenzylphthalate	10.	U
91-94-1-----3,3'-Dichlorobenzidine	20.	U
56-55-3-----Benzo(a)anthracene	10.	U
218-01-9-----Chrysene	10.	U
117-81-7-----bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----Di-n-Octylphthalate	10.	U
205-99-2-----Benzo(b)fluoranthene	10.	U
207-08-9-----Benzo(k)fluoranthene	10.	U
50-32-8-----Benzo(a)pyrene	10.	U
193-39-5-----Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----Dibenz(a,h)anthracene	10.	U
191-24-2-----Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-40S

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

40S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-04

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5381

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	dimethylbenzene isomer	5.24	10.	J
2.	ethylmethylbenzene isomer	6.26	11.	J
3.	ethylmethylbenzene isomer	6.53	19.	J
4.	trimethylbenzene isomer	6.78	150.	J
5.	trimethylbenzene isomer	7.19	250.	J
6.496-11-7	Indane	7.39	220.	J
7.	diethylbenzene isomer	7.54	100.	J
8.	methylpropylbenzene isomer	7.59	100.	J
9.	ethylmethylbenzene isomer	7.69	340.	J
10.	methylpropylbenzene isomer	7.80	100.	J
11.	ethylmethylbenzene isomer	7.96	210.	J
12.	tetramethylbenzene isomer	8.62	17.	J
13.	Unknown	9.03	15.	J
14.	C9H10 isomer	11.93	14.	J
15.	C9H10 isomer	12.10	11.	J
16.126-73-8	Phosphoric acid, tributyl es	14.41	47.	J
17.98-54-4	Phenol, p-tert-butyl-	14.63	9.	J
18.	C15H24O isomer	15.10	14.	J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

A-40S

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

40S70416GDL

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-04DL

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5402

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

62-75-9-----	n-Nitrosodimethylamine	100.	U
111-44-4-----	bis(2-Chloroethyl)ether	100.	U
541-73-1-----	1,3-Dichlorobenzene	100.	U
106-46-7-----	1,4-Dichlorobenzene	100.	U
95-50-1-----	1,2-Dichlorobenzene	100.	U
100-57-6-----	Benzyl alcohol	100.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	100.	U
67-72-1-----	Hexachloroethane	100.	U
621-64-7-----	N-Nitroso-di-n-propylamine	100.	U
989-53-0-----	Nitrobenzene	100.	U
78-59-1-----	Isophorone	100.	U
111-91-1-----	bis(2-Chloroethoxy)methane	100.	U
120-82-1-----	1,2,4-Trichlorobenzene	100.	U
91-20-3-----	Naphthalene	800.	D
106-47-8-----	4-Chloroaniline	100.	U
87-68-3-----	Hexachlorobutadiene	100.	U
91-57-6-----	2-Methylnaphthalene	14.	DJ
77-47-4-----	Hexachlorocyclopentadiene	100.	U
91-58-7-----	2-Chloronaphthalene	100.	U
88-74-4-----	2-Nitroaniline	250.	U
208-96-8-----	Acenaphthylene	100.	U
131-11-3-----	Dimethylphthalate	100.	U
606-20-2-----	2,6-Dinitrotoluene	100.	U
83-32-9-----	Acenaphthene	100.	U
99-09-2-----	3-Nitroaniline	250.	U
132-64-9-----	Dibenzofuran	100.	U
121-14-2-----	2,4-Dinitrotoluene	100.	U
86-73-7-----	Fluorene	100.	U
7005-72-3-----	4-Chlorophenyl-phenylether	100.	U
84-66-2-----	Diethylphthalate	100.	U
100-01-6-----	4-Nitroaniline	250.	U
86-30-6-----	n-Nitrosodiphenylamine (1)	100.	U
101-55-3-----	4-Bromophenyl-phenylether	100.	U

A-40S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

40S70416GDL

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-04DL

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5402

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----	Hexachlorobenzene	100.	U
85-01-8-----	Phenanthrene	100.	U
120-12-7-----	Anthracene	100.	U
84-74-2-----	Di-n-butylphthalate	100.	U
206-44-0-----	Fluoranthene	100.	U
129-00-0-----	Pyrene	100.	U
85-68-7-----	Butylbenzylphthalate	100.	U
91-94-1-----	3,3'-Dichlorobenzidine	200.	U
56-55-3-----	Benzo(a)anthracene	100.	U
218-01-9-----	Chrysene	100.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	100.	U
117-84-0-----	Di-n-Octylphthalate	100.	U
205-99-2-----	Benzo(b)fluoranthene	100.	U
207-08-9-----	Benzo(k)fluoranthene	100.	U
50-32-8-----	Benzo(a)pyrene	100.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	100.	U
53-70-3-----	Dibenz(a,h)anthracene	100.	U
191-24-2-----	Benzo(g,h,i)perylene	100.	U

(1) - Cannot be separated from Diphenylamine

Inorganics Analysis Data Sheet
Form I - IN

Client Name: Groundwater Sciences Corp. Project Name: 88013.01
ETL Sample Number: 171911-04
Client I.D.: A0040S70416G A-40S
Date Collected: 16-APR-97 Matrix: 2 GW/WW
Date Received: 17-APR-97
Comments:

Analysis	Result	Units	Method	Analyzed
Total Petroleum Hydrocarbons	3.5	MG/L	418.1	22-APR-97

Remarks:

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0040S704160	Date Collected: 16-APR-97
ETL Sample Number: 171911-05	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 24-APR-97
% Solid: NA	Report Date: 09-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 2.5ml	Lab File Id: A0677.D
Level: LOW	Dilution Factor: 2.00

*A-40S
replicate*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	2		U
74-83-9	Bromomethane	2		U
75-71-8	Dichlorodifluoromethane	2		U
75-01-4	Vinyl Chloride	2	75	
75-00-3	Chloroethane	2	39	
75-09-2	Methylene Chloride	2	1	J
75-69-4	Trichlorofluoromethane	2		U
75-35-4	1,1-Dichloroethene	2		U
75-34-3	1,1-Dichloroethane	2	510 160	ED
540-59-0	Total-1,2-Dichloroethene	2	95	
67-66-3	Chloroform	2		U
107-06-2	1,2-Dichloroethane	2		U
71-55-6	1,1,1-Trichloroethane	2		U
56-23-5	Carbon Tetrachloride	2		U
75-27-4	Bromodichloromethane	2		U
78-87-5	1,2-Dichloropropane	2		U
10061-01-5	cis-1,3-Dichloropropene	2		U
79-01-6	Trichloroethene	2	2.1	
124-48-1	Dibromochloromethane	2		U
10061-02-6	trans-1,3-Dichloropropene	2		U
79-00-5	1,1,2-Trichloroethane	2		U
110-75-8	2-Chloroethylvinyl Ether	2		U
75-25-2	Bromoform	2		U
79-34-5	1,1,2,2-Tetrachloroethane	2		U
127-18-4	Tetrachloroethene	2	1.5	J
108-90-7	Chlorobenzene	2		U
541-73-1	1,3-Dichlorobenzene	2		U
95-50-1	1,2-Dichlorobenzene	2		U
106-46-7	1,4-Dichlorobenzene	2		U
76-13-1	Freon 113	2		U

*DRB
9/24/97*

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: A0040S70416DDL
EnviroTest Lab No.: 171911-05DL
Client Name: Groundwater Sciences Corp.
Project Name: 88013.01
% Solid:
Matrix: Water
Sample Wt/Vol.: 0.5
Level: Low

A-40S
replicate

Date Collected: 4/16/97
Date Received: 4/17/97
Date Extracted:
Date Analyzed: 4/23/97
Report Date: 5/8/97
Column: Rtx-502.2 0.53mm
Lab File ID: A0633.D
Dilution Factor: 10

CAS No.	Compound	Detection Limit ug/l	Conc ug/l
74-87-3	Chloromethane	10.0	U
74-83-9	Bromomethane	10.0	U
75-71-8	Dichlorodifluoromethane	10.0	U
75-01-4	Vinyl Chloride	10.0	82.0 D
75-00-3	Chloroethane	10.0	32.0 D
75-09-2	Methylene Chloride	10.0	U
75-69-4	Trichlorofluoromethane	10.0	U
75-35-4	1,1-Dichloroethene	10.0	U
75-34-3	1,1-Dichloroethane	10.0	160.0 D
540-59-0	Total -1,2-Dichloroethene	10.0	110.0 D
67-66-3	Chloroform	10.0	U
107-06-2	1,2-Dichloroethane	10.0	U
71-55-6	1,1,1-Trichloroethane	10.0	6.8 U
56-23-5	Carbon Tetrachloride	10.0	U
75-27-4	Bromodichloromethane	10.0	U
78-87-5	1,2-Dichloropropane	10.0	U
10061-01-5	cis-1,3-Dichloropropene	10.0	U
79-01-6	Trichloroethene	10.0	U
124-48-1	Dibromochloromethane	10.0	U
10061-02-6	trans-1,3-Dichloropropene	10.0	U
79-00-5	1,1,2-Trichloroethane	10.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
75-25-2	Bromoform	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane	10.0	U
127-18-4	Tetrachloroethene	10.0	U
108-90-7	Chlorobenzene	10.0	U
541-73-1	1,3-Dichlorobenzene	10.0	U
95-50-1	1,2-Dichlorobenzene	10.0	U
106-46-7	1,4-Dichlorobenzene	10.0	U
76-13-1	Freon 113	10.0	U
354-23-4	Freon 123A	10.0	U

FORM I -VOA

Volatile Organics Analysis Data Sheet
Form 1 VOA
602

Client ID: A0040S704160	Date Collected: 16-APR-97
ETL Sample Number: 171911-05	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 24-APR-97
% Solid: NA	Report Date: 09-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 2.5ml	Lab File Id: A0676.D
Level: LOW	Dilution Factor: 2.00

*A-40S
replicate*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	2		U
108-88-3	Toluene	2		U
108-90-7	Chlorobenzene	2		U
100-41-4	Ethylbenzene	2		U
541-73-1	1,3-Dichlorobenzene	2		U
95-50-1	1,2-Dichlorobenzene	2		U
106-46-7	1,4-Dichlorobenzene	2		U
1330-20-7	Xylenes, total	2	35	

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0041S70416G	A-41S	Date Collected: 16-APR-97
ETL Sample Number: 171911-06		Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 23-APR-97
% Solid: NA		Report Date: 09-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0635.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	1.4	
540-59-0	Total-1,2-Dichloroethene	1	.5	J
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: A0041S70416G		Date Collected: 16-APR-97
ETL Sample Number: 171911-06	A-41S	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 23-APR-97
% Solid: NA		Report Date: 09-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0634.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, total	1		U

4-41S

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

41S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-06

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5382

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
62-75-9	n-Nitrosodimethylamine	10. U
111-44-4	bis(2-Chloroethyl) ether	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
95-50-1	1,2-Dichlorobenzene	10. U
100-57-6	Benzyl alcohol	10. U
108-60-1	2,2'-oxybis(1-Chloropropane)	10. U
67-72-1	Hexachloroethane	10. U
621-64-7	N-Nitroso-di-n-propylamine	10. U
989-53-0	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
111-91-1	bis(2-Chloroethoxy) methane	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
91-57-6	2-Methylnaphthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	25. U
208-96-8	Acenaphthylene	10. U
131-11-3	Dimethylphthalate	10. U
606-20-2	2,6-Dinitrotoluene	10. U
83-32-9	Acenaphthene	10. U
99-09-2	3-Nitroaniline	25. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
86-73-7	Fluorene	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
84-66-2	Diethylphthalate	10. U
100-01-6	4-Nitroaniline	25. U
86-30-6	n-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U

A-41S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

41S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-06

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5382

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	U
56-55-3-----	Benzo(a)anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----	Di-n-Octylphthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)fluoranthene	10.	U
50-32-8-----	Benzo(a)pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----	Dibenz(a,h)anthracene	10.	U
191-24-2-----	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-41S

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

41S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-06

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5382

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0042S70416G	Date Collected: 16-APR-97
ETL Sample Number: 171911-02	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 23-APR-97
% Solid: NA	Report Date: 09-MAY-97
Matrix: 2 GW/MW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0627.D
Level: LOW	Dilution Factor: 1.00

A-42S

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1	22	
75-00-3	Chloroethane	1	3.2	
75-09-2	Methylene Chloride	1	1.4	
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	4	
540-59-0	Total 1,2-Dichloroethene	1	5.8	
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1	1.5	
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	4	
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: A0042S70416G	A-42S	Date Collected: 16-APR-97
ETL Sample Number: 171911-02		Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 23-APR-97
% Solid: NA		Report Date: 09-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0626.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1	1.6	
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, total	1	2.6	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-425
EPA SAMPLE NO.

42S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-02

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5380

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

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

62-75-9-----	n-Nitrosodimethylamine	10.	U
111-44-4-----	bis(2-Chloroethyl) ether	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
100-57-6-----	Benzyl alcohol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----	Hexachloroethane	10.	U
621-64-7-----	N-Nitroso-di-n-propylamine	10.	U
989-53-0-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
111-91-1-----	bis(2-Chloroethoxy) methane	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	220 170.	ED
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
91-57-6-----	2-Methylnaphthalene	4.	J
77-47-4-----	Hexachlorocyclopentadiene	10.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
208-96-8-----	Acenaphthylene	10.	U
131-11-3-----	Dimethylphthalate	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
83-32-9-----	Acenaphthene	10.	U
99-09-2-----	3-Nitroaniline	25.	U
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
86-73-7-----	Fluorene	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
84-66-2-----	Diethylphthalate	10.	U
100-01-6-----	4-Nitroaniline	25.	U
86-30-6-----	n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U

A-42S

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

42S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-02

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5380

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	U
56-55-3-----	Benzo(a)anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----	Di-h-Octylphthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)fluoranthene	10.	U
50-32-8-----	Benzo(a)pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----	Dibenz(a,h)anthracene	10.	U
191-24-2-----	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-42S

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

42S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-02

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5380

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	trimethylbenzene isomer	6.77	9.	J
2.	C9H12 isomer	7.18	6.	J
3. 496-11-7	Indane	7.38	44.	J
4.	diethylbenzene isomer	7.53	30.	J
5.	methylpropylbenzene isomer	7.59	46.	J
6.	diethylbenzene isomer	7.66	69.	J
7.	methylpropylbenzene isomer	7.79	29.	J
8.	ethyl dimethylbenzene isomer	7.94	59.	J
9.	C10H14 isomer	7.97	92.	J
10.	tetramethylbenzene isomer	8.51	8.	J
11.	tetramethylbenzene isomer	8.57	9.	J
12.	C10H12 isomer	8.85	4.	J
13.	C10H12 isomer	8.98	12.	J
14.	C9H10 isomer	11.93	7.	J
15.	C9H10 isomer	12.09	5.	J
16. 126-73-8	Phosphoric acid tributyl est	14.39	4.	J
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
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27.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

42S70416GDL

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-02DL

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5401

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

62-75-9-----n-Nitrosodimethylamine	50.	U
111-44-4-----bis(2-Chloroethyl) ether	50.	U
541-73-1-----1,3-Dichlorobenzene	50.	U
106-46-7-----1,4-Dichlorobenzene	50.	U
95-50-1-----1,2-Dichlorobenzene	50.	U
100-57-6-----Benzyl alcohol	50.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	50.	U
67-72-1-----Hexachloroethane	50.	U
621-64-7-----N-Nitroso-di-n-propylamine	50.	U
989-53-0-----Nitrobenzene	50.	U
78-59-1-----Isophorone	50.	U
111-91-1-----bis(2-Chloroethoxy)methane	50.	U
120-82-1-----1,2,4-Trichlorobenzene	50.	U
91-20-3-----Naphthalene	220.	D
106-47-8-----4-Chloroaniline	50.	U
87-68-3-----Hexachlorobutadiene	50.	U
91-57-6-----2-Methylnaphthalene	50.	U
77-47-4-----Hexachlorocyclopentadiene	50.	U
91-58-7-----2-Chloronaphthalene	50.	U
88-74-4-----2-Nitroaniline	120.	U
208-96-8-----Acenaphthylene	50.	U
131-11-3-----Dimethylphthalate	50.	U
606-20-2-----2,6-Dinitrotoluene	50.	U
83-32-9-----Acenaphthene	50.	U
99-09-2-----3-Nitroaniline	120.	U
132-64-9-----Dibenzofuran	50.	U
121-14-2-----2,4-Dinitrotoluene	50.	U
86-73-7-----Fluorene	50.	U
7005-72-3-----4-Chlorophenyl-phenylether	50.	U
84-66-2-----Diethylphthalate	50.	U
100-01-6-----4-Nitroaniline	120.	U
86-30-6-----n-Nitrosodiphenylamine (1)	50.	U
101-55-3-----4-Bromophenyl-phenylether	50.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

42S70416GDL

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-02DL

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5401

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/24/97

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 0.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
118-74-1-----	Hexachlorobenzene	50. U
85-01-8-----	Phenanthrene	50. U
120-12-7-----	Anthracene	50. U
84-74-2-----	Di-n-butylphthalate	50. U
206-44-0-----	Fluoranthene	50. U
129-00-0-----	Pyrene	50. U
85-68-7-----	Butylbenzylphthalate	50. U
91-94-1-----	3,3'-Dichlorobenzidine	100. U
56-55-3-----	Benzo(a)anthracene	50. U
218-01-9-----	Chrysene	50. U
117-81-7-----	bis(2-Ethylhexyl)phthalate	50. U
117-84-0-----	Di-n-Octylphthalate	50. U
205-99-2-----	Benzo(b)fluoranthene	50. U
207-08-9-----	Benzo(k)fluoranthene	50. U
50-32-8-----	Benzo(a)pyrene	50. U
193-39-5-----	Indeno(1,2,3-cd)pyrene	50. U
53-70-3-----	Dibenz(a,h)anthracene	50. U
191-24-2-----	Benzo(g,h,i)perylene	50. U

(1) - Cannot be separated from Diphenylamine

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0042S70416D	A-42S replicate	Date Collected: 16-APR-97
ETL Sample Number: 171911-03		Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 23-APR-97
% Solid: NA		Report Date: 09-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0629.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1	22	
75-00-3	Chloroethane	1	3.8	
75-09-2	Methylene Chloride	1	1.2	
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	4.4	
540-59-0	Total-1,2-Dichloroethene	1	6.2	
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1	1.4	
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1	1.8	
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: A0042S70416D	Date Collected: 16-APR-97
ETL Sample Number: 171911-03	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 23-APR-97
% Solid: NA	Report Date: 09-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0628.D
Level: LOW	Dilution Factor: 1.00

*A-42S
replicate*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1	1.9	
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, total	1	2	

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0043S70416G	Date Collected: 16-APR-97
ETL Sample Number: 171911-01	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 23-APR-97
% Solid: NA	Report Date: 12-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0625.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.6	J
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1	3.3	J
540-59-0	Total-1,2-Dichloroethene	1	.8	J
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	.5	J u
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DAB
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: A0043S70416G	Date Collected: 16-APR-97
ETL Sample Number: 171911-01	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 23-APR-97
% Solid: NA	Report Date: 09-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0624.D
Level: LOW	Dilution Factor: 1.00

A-43S

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, total	1		U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-435
EPA SAMPLE NO.

43S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142 Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-01

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5379

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

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

62-75-9-----	n-Nitrosodimethylamine	10.	U
111-44-4-----	bis(2-Chloroethyl) ether	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
100-57-6-----	Benzyl alcohol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----	Hexachloroethane	10.	U
621-64-7-----	N-Nitroso-di-n-propylamine	10.	U
989-53-0-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
111-91-1-----	bis(2-Chloroethoxy) methane	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	10.	U
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
91-57-6-----	2-Methylnaphthalene	10.	U
77-47-4-----	Hexachlorocyclopentadiene	10.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
208-96-8-----	Acenaphthylene	10.	U
131-11-3-----	Dimethylphthalate	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
83-32-9-----	Acenaphthene	10.	U
99-09-2-----	3-Nitroaniline	25.	U
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
86-73-7-----	Fluorene	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
84-66-2-----	Diethylphthalate	10.	U
100-01-6-----	4-Nitroaniline	25.	U
86-30-6-----	n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U

A-435

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

43S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-01

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5379

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Flucranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	U
56-55-3-----	Benzo(a)anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----	Di-n-Octylphthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)fluoranthene	10.	U
50-32-8-----	Benzo(a)pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----	Dibenz(a,h)anthracene	10.	U
191-24-2-----	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-435

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

43S70416G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171911-01

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5379

Level: (low/med) LOW

Date Received: 4/17/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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27.				
28.				
29.				
30.				

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0044S70417G	A-44S	Date Collected: 17-APR-97
ETL Sample Number: 171955-10		Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 26-APR-97
% Solid: NA		Report Date: 15-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0727.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	8	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DMS
9/24/97

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: A0044S70417G	A-44S	Date Collected: 17-APR-97
ETL Sample Number: 171955-10		Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01		Date Analyzed: 26-APR-97
% Solid: NA		Report Date: 15-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0726.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, Total	1		U

A-445

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

44S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-10

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5387

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

62-75-9-----	n-Nitrosodimethylamine	10.	U
111-44-4-----	bis(2-Chloroethyl) ether	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
100-57-6-----	Benzyl alcohol	10.	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----	Hexachloroethane	10.	U
621-64-7-----	N-Nitroso-di-n-propylamine	10.	U
989-53-0-----	Nitrobenzene	10.	U
78-59-1-----	Isophorone	10.	U
111-91-1-----	bis(2-Chloroethoxy) methane	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	10.	U
106-47-8-----	4-Chloroaniline	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
91-57-6-----	2-Methylnaphthalene	10.	U
77-47-4-----	Hexachlorocyclopentadiene	10.	U
91-58-7-----	2-Chloronaphthalene	10.	U
88-74-4-----	2-Nitroaniline	25.	U
208-96-8-----	Acenaphthylene	10.	U
131-11-3-----	Dimethylphthalate	10.	U
606-20-2-----	2,6-Dinitrotoluene	10.	U
83-32-9-----	Acenaphthene	10.	U
99-09-2-----	3-Nitroaniline	25.	U
132-64-9-----	Dibenzofuran	10.	U
121-14-2-----	2,4-Dinitrotoluene	10.	U
86-73-7-----	Fluorene	10.	U
7005-72-3-----	4-Chlorophenyl-phenylether	10.	U
84-66-2-----	Diethylphthalate	10.	U
100-01-6-----	4-Nitroaniline	25.	U
86-30-6-----	n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----	4-Bromophenyl-phenylether	10.	U

A-445

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

44S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-10

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5387

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	U
56-55-3-----	Benzo(a)anthracene	10.	U
218-01-9-----	Chrysene	10.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0-----	Di-n-Octylphthalate	10.	U
205-99-2-----	Benzo(b)fluoranthene	10.	U
207-08-9-----	Benzo(k)fluoranthene	10.	U
50-32-8-----	Benzo(a)pyrene	10.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3-----	Dibenz(a,h)anthracene	10.	U
191-24-2-----	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

A-445

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

44S70417G

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix: (soil/water) WATER

Lab Sample ID: 171955-10

Sample wt/vol: 1000.0 (g/ml) ML

Lab File ID: S5387

Level: (low/med) LOW

Date Received: 4/18/97

% Moisture: decanted: (Y/N)

Date Extracted: 4/18/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 4/23/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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11.				
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29.				
30.				

FORM I SV-TIC

3/90

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: A0045G70421G	Date Collected: 21-APR-97
ETL Sample Number: 172063-02	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 28-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GM/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0781.D
Level: LOW	Dilution Factor: 1.00

A-45G

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1 u	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DDB
9/24/97

000046

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: AEQ70417BALR	Date Collected: 17-APR-97
ETL Sample Number: 171955-08	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0729.D
Level: LDW	Dilution Factor: 1.00

*Equipment
Rinse Blank
(Bailer)*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.8	J
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: AEQ70417BALR	Date Collected: 17-APR-97
ETL Sample Number: 171955-08	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0728.D
Level: LOW	Dilution Factor: 1.00

*Equipment
Rinse Blank
(Bailer)*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, Total	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: AEQ70929BALR	Date Collected: 29-SEP-97
ETL Sample Number: 177143-03	Date Received: 29-SEP-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 03-OCT-97
% Solid: NA	Report Date: 29-OCT-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A5399.D
Level: LOW	Dilution Factor: 1.00

*Equipment
Rinse Blank
(Bailer)*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1.5	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

*DAB
11/3/97*

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: AEQ70417WLID	Date Collected: 17-APR-97
ETL Sample Number: 171955-04	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 25-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0689.D
Level: LOW	Dilution Factor: 1.00

*Equipment
Rinse Blank
(water Level Indicator)*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: AEQ70417WLID	Date Collected: 17-APR-97
ETL Sample Number: 171955-04	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 25-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0688.D
Level: LOW	Dilution Factor: 1.00

*Equipment
Rinse Blank
(water level indicator)*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, Total	1		U

Volatile Organics Analysis Data Sheet

Form I VOA
601-FREON113

Client ID: AEQ70929WLID

Date Collected: 29-SEP-97

ETL Sample Number: 177143-01

Date Received: 29-SEP-97

Client Name: Groundwater Sciences Corp.

Date Extracted:

Project Name: 88013.01

Date Analyzed: 03-OCT-97

X Solid: NA

Report Date: 29-OCT-97

Matrix: 2 GW/WW

Column: RTX-502.2

Sample Wt/Vol: 5ml

Lab File Id: A5397.D

Level: LOW

Dilution Factor: 1.00

*Equipment
Rinse Blank
(water level
Indicator)*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

*DAB
11/3/97*

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: AFBA27G70417	Date Collected: 17-APR-97
ETL Sample Number: 171955-02	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 24-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0681.D
Level: LOW	Dilution Factor: 1.00

Field Blank

@ A-27G

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.6	J
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: AFBA21G70422	Field Blank	Date Collected: 22-APR-97
ETL Sample Number: 172063-11		Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	@ A - 21G	Date Extracted:
Project Name: 88013.01		Date Analyzed: 29-APR-97
% Solid: NA		Report Date: 16-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: 10019.D A 0819.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	0ichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.8	J
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: AFB014S70929

Date Collected: 29-SEP-97

ETL Sample Number: 177143-02

Date Received: 29-SEP-97

Client Name: Groundwater Sciences Corp.

Date Extracted:

Project Name: 88013.01

Date Analyzed: 03-OCT-97

% Solid: NA

Report Date: 29-OCT-97

Matrix: 2 GW/WW

Column: RTX-502.2

Sample Wt/Vol: 5ml

Lab File Id: A5417.D

Level: LOW

Dilution Factor: 1.00

*Field
Blank
@ A-145*

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.6	U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

*DRAB
11/3/97*

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON

Client ID: ATB704160417	Date Collected: 16-APR-97
ETL Sample Number: 171911-08	Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 24-APR-97
% Solid: NA	Report Date: 12-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0647.D
Level: LOW	Dilution Factor: 1.00

Trip Blank
4/16-4/17/97

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1		U
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: ATB704160417	Trip Blank	Date Collected: 16-APR-97
ETL Sample Number: 171911-08		Date Received: 17-APR-97
Client Name: Groundwater Sciences Corp.	4/16 - 4/17/97	Date Extracted:
Project Name: 88013.01		Date Analyzed: 24-APR-97
% Solid: NA		Report Date: 09-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0646.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, total	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: ATBA04170418	Trip Blank	Date Collected: 17-APR-97
ETL Sample Number: 171955-11		Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	4/17 - 4/18/97	Date Extracted:
Project Name: 88013.01		Date Analyzed: 26-APR-97
% Solid: NA		Report Date: 15-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0731.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.6	J
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
602

Client ID: ATBA04170418	Date Collected: 17-APR-97
ETL Sample Number: 171955-11	Date Received: 18-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 26-APR-97
% Solid: NA	Report Date: 15-MAY-97
Matrix: 2 GW/MW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0730.D
Level: LOW	Dilution Factor: 1.00

Trip Blank
4/17 - 4/18/97

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
1330-20-7	Xylenes, Total	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: ATB704180419	<i>Trip Blank</i> <i>4/18 - 4/19/97</i>	Date Collected: 18-APR-97
ETL Sample Number: 171993-07		Date Received: 21-APR-97
Client Name: Groundwater Sciences Corp.		Date Extracted:
Project Name: 88013.01 ROUTINE		Date Analyzed: 26-APR-97
% Solid: NA		Report Date: 16-MAY-97
Matrix: 2 GW/WW		Column: RTX-502.2
Sample Wt/Vol: 5ml		Lab File Id: A0755.D
Level: LOW		Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.7	J
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total 1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1	.8	J
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1	.6	J
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: ATB704210422	Date Collected: 21-APR-97
ETL Sample Number: 172063-09	Date Received: 22-APR-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 29-APR-97
% Solid: NA	Report Date: 16-MAY-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A0815.D
Level: LOW	Dilution Factor: 1.00

Trip Blank
4/21-4/22/97

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		U
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		U
75-01-4	Vinyl Chloride	1		U
75-00-3	Chloroethane	1		U
75-09-2	Methylene Chloride	1	.7	J
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

000060

Volatile Organics Analysis Data Sheet
Form I VOA
601-FREON113

Client ID: ATB709290929	Date Collected: 29-SEP-97
ETL Sample Number: 177143-06	Date Received: 29-SEP-97
Client Name: Groundwater Sciences Corp.	Date Extracted:
Project Name: 88013.01	Date Analyzed: 03-OCT-97
% Solid: NA	Report Date: 29-OCT-97
Matrix: 2 GW/WW	Column: RTX-502.2
Sample Wt/Vol: 5ml	Lab File Id: A5423.D
Level: LOW	Dilution Factor: 1.00

Trip Blank
9/29/97

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	1		UJ
74-83-9	Bromomethane	1		U
75-71-8	Dichlorodifluoromethane	1		UJ
75-01-4	Vinyl Chloride	1		U
75-00-2	Chloroethane	1		U
75-09-2	Methylene Chloride	1	1.4	
75-69-4	Trichlorofluoromethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-34-3	1,1-Dichloroethane	1		U
540-59-0	Total-1,2-Dichloroethene	1		U
67-66-3	Chloroform	1		U
107-06-2	1,2-Dichloroethane	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
75-27-4	Bromodichloromethane	1		U
78-87-5	1,2-Dichloropropane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
79-01-6	Trichloroethene	1		U
124-48-1	Dibromochloromethane	1		U
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
110-75-8	2-Chloroethylvinyl Ether	1		U
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
127-18-4	Tetrachloroethene	1		U
108-90-7	Chlorobenzene	1		U
541-73-1	1,3-Dichlorobenzene	1		U
95-50-1	1,2-Dichlorobenzene	1		U
106-46-7	1,4-Dichlorobenzene	1		U
76-13-1	Freon 113	1		U

DATA
11/3/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>Field blank - boiler</u>	Site <u>Pot. Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QAQC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{100}{10} \times \frac{1 - \text{SWL}}{10}) + \text{SWL}$ = <u>NA</u>											
Personnel (Signature): <u>Andrew F. Nadel</u>											
*SAMPLING											
Sample ID: <u>A E Q 7 0 4 1 7 B A L R</u>	☐ GW ☐ Surface ☒ Other <u>QAQC</u>										
Date <u>4-17-97</u>	Air Temp <u>46</u> Skies <u>overcast</u> Wind Speed/Direction <u>calm</u>										
Equipment Decon <u>Steam cleaned, rinsed with deionized water</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>boiler</u> Start <u>15:35</u> Stop <u>15:47</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nadel</u>											
*LAB INFO											
Lab <u>Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-18-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601, From 113, report 1.2 DCE To ml, 602, To ml, Kytren</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>EO Hunt - m. 1000</u>	Site <u>Pot. Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QAQC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{100}{10} \times \frac{1 - \text{SWL}}{10}) + \text{SWL}$ = <u>NA</u>											
Personnel (Signature): <u>Andrew F. Nadel</u>											
*SAMPLING											
Sample ID: <u>A E Q 7 0 4 1 7 W L I D</u>	☐ GW ☐ Surface ☒ Other <u>QAQC</u>										
Date <u>4-17-97</u>	Air Temp <u>47</u> Skies <u>rainy</u> Wind Speed/Direction <u>calm</u>										
Equipment Decon <u>Rinsed with deionized water</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>grab</u> Start <u>12:44</u> Stop <u>12:47</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nadel</u>											
*LAB INFO											
Lab <u>Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-18-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601, From 113, report 1.2 DCE To ml, 602, To ml, Kytren</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>Field blank - A-27G</u>	Site <u>Pot. Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QAQC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{100}{10} \times \frac{1 - \text{SWL}}{10}) + \text{SWL}$ = <u>NA</u>											
Personnel (Signature): <u>Andrew F. Nadel</u>											
*SAMPLING											
Sample ID: <u>A F B A 2 7 G 7 0 4 1 7</u>	☐ GW ☐ Surface ☒ Other <u>QAQC</u>										
Date <u>4-17-97</u>	Air Temp <u>47</u> Skies <u>overcast</u> Wind Speed/Direction <u>calm</u>										
Equipment Decon <u>NA</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>grab</u> Start <u>13:40</u> Stop <u>13:47</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nadel</u>											
*LAB INFO											
Lab <u>Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-18-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601, From 113, report 1.2 DCE To ml</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>Field blank - A-21G</u>	Site <u>Pot. Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QAQC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{100}{10} \times \frac{1 - \text{SWL}}{10}) + \text{SWL}$ = <u>NA</u>											
Personnel (Signature): <u>Chris Hann</u>											
*SAMPLING											
Sample ID: <u>A F B A 2 1 G 7 0 4 2 2</u>	☐ GW ☐ Surface ☒ Other <u>QAQC</u>										
Date <u>4-22-97</u>	Air Temp <u>43</u> Skies <u>sunny</u> Wind Speed/Direction <u>calm</u>										
Equipment Decon <u>NA</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>grab</u> Start <u>9:42</u> Stop <u>9:51</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Chris Hann</u>											
*LAB INFO											
Lab <u>Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-23-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601, report 1.2 DCE To ml, 602, To ml, Kytren</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>Trip Blank</u>	Site <u>Pok Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QA/QC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{TD - SWL}{10} \times 1) + SWL$ = <u>NA</u>											
Personnel (Signature): <u>Andrew F. Nishit</u>											
*SAMPLING											
Sample ID: <u>A T B A 0 4 1 7 0 4 1 B</u>	☐ GW ☐ Surface ☒ Other <u>QA/QC</u>										
Date <u>4-17-97</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
Equipment Decon <u>NA</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>sealed vial</u> Start <u>1/11/97</u> Stop <u>1/12/97</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nishit</u>											
*LAB INFO											
Lab <u>Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-18-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601 From 113 report 12 DCE Btl B02 Total Vol</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/13/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>Trip Blank</u>	Site <u>Pok Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QA/QC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{TD - SWL}{10} \times 1) + SWL$ = <u>NA</u>											
Personnel (Signature): <u>Andrew F. Nishit</u>											
*SAMPLING											
Sample ID: <u>A T B B 0 4 1 7 0 4 1 B</u>	☐ GW ☐ Surface ☒ Other <u>QA/QC</u>										
Date <u>4-17-97</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
Equipment Decon <u>NA</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>sealed vial</u> Start <u>1/11/97</u> Stop <u>1/12/97</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nishit</u>											
*LAB INFO											
Lab <u>IBM Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-18-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601 From 113 report 12 DCE Total</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/13/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>Trip Blank</u>	Site <u>Pok Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QA/QC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{TD - SWL}{10} \times 1) + SWL$ = <u>NA</u>											
Personnel (Signature): <u>Ch Shannon</u>											
*SAMPLING											
Sample ID: <u>A T B 7 0 4 1 8 0 4 1 9</u>	☐ GW ☐ Surface ☒ Other <u>QA/QC</u>										
Date <u>4-18-97</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
Equipment Decon <u>NA</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>sealed vial</u> Start <u>4/19</u> Stop <u>4/19</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Ch Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-21-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601 rep 12 DCE to 121 From 113</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/13/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>Trip Blank</u>	Site <u>Pok Airport</u>										
☐ Manhole ☐ Standpipe ☒ Other <u>QA/QC</u>	Physical Well/Location Condition: <u>NA</u>										
*PURGING											
Date <u>NA</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
TD <u>NA</u> SWL <u>NA</u> TD - SWL <u>NA</u>	Required Purge Volume <u>NA</u>										
Equipment Decon <u>NA</u>	Purge Water Disposal <u>NA</u>										
Method <u>NA</u> Start <u>NA</u> Stop <u>NA</u> Volume/Minutes <u>NA</u>											
WL end of purge <u>NA</u> Max WL end of Recovery = $(\frac{TD - SWL}{10} \times 1) + SWL$ = <u>NA</u>											
Personnel (Signature): <u>Ch Shannon</u>											
*SAMPLING											
Sample ID: <u>A T B 7 0 4 2 1 0 4 2 2</u>	☐ GW ☐ Surface ☒ Other <u>QA/QC</u>										
Date <u>4-21-97</u>	Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>										
Equipment Decon <u>NA</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>sealed vial</u> Start <u>4/21</u> Stop <u>4/22</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line)</td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>clear</u>							
Personnel (Signature): <u>Ch Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u>	Turnaround Time <u>normal</u> No. of Containers <u>2</u>										
Date Shipped <u>4-22-97</u>	Method Shipped <u>Delivered by GSC</u>										
Analyses Requested <u>601 rep 12 DCE to 121 From 113</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/13/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-12</u>	Site <u>Park Main</u>										
☐ Manhole ☒ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>4-17-97</u> Air Temp <u>47°</u> Skies <u>drizzle</u> Wind Speed/Direction <u>calm</u>											
TD <u>20.80</u> SWL <u>3.55</u> TD - SWL <u>17.25</u> Required Purge Volume <u>4.76 gal</u>											
Equipment Decon <u>Dechlorinated water</u> Purge Water Disposal <u>To ground</u>											
Method <u>perforated</u> Start <u>14:43</u> Stop <u>14:59</u> Volume/Minutes <u>5g/16min</u>											
WL end of purge <u>1.39</u> Max WL end of Recovery = $(\frac{TD - SWL}{2}) + SWL$ = <u>5.27</u>											
Personnel (Signature): <u>Andrew F. Norder</u>											
*SAMPLING											
Sample ID: <u>A 0 0 0 1 5 7 0 4 1 7 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-17-97</u> Air Temp <u>46°</u> Skies <u>drizzle</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>Steam cleaned, rinsed with deionized water</u>											
Sampled Depth Interval: <u>5 to 12</u> feet Sampling Method: <u>bauler</u> Start <u>5:29</u> Stop <u>5:30</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) surface</td> <td>6.56</td> <td>0.994</td> <td>12.07</td> <td>very cloudy brown</td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) surface	6.56	0.994	12.07	very cloudy brown
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) surface	6.56	0.994	12.07	very cloudy brown							
Personnel (Signature): <u>Andrew F. Norder</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-18-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601, 602, 113, report 1, 2 DCE total</u>											
*ADDITIONAL NOTES: <u># SWL measured twice prior to purge</u> <u>recovery WL/time = 3:12/15:08</u> <u>River is low. Difficult to put bauler down</u>											

QA/QC Review: Initial MWR Date: 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-3R</u>	Site <u>Park Airport</u>										
☒ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>good</u>										
*PURGING											
Date <u>4-22-97</u> Air Temp <u>50°</u> Skies <u>sunny</u> Wind Speed/Direction <u>calm</u>											
TD <u>75.20</u> SWL <u>4.04</u> TD - SWL <u>71.16</u> Required Purge Volume <u>19.64</u>											
Equipment Decon <u>ded Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>water</u> Start <u>11:58</u> Stop <u>12:46</u> Volume/Minutes <u>20.0 gal/18min</u>											
WL end of purge <u>11.52</u> Max WL end of Recovery = $(\frac{TD - SWL}{2}) + SWL$ = <u>11.15</u>											
Personnel (Signature): <u>Chris Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 0 3 R 7 0 4 2 2 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-22-97</u> Air Temp <u>54°</u> Skies <u>sunny</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>Steam cleaned bauler + parts</u>											
Sampled Depth Interval: <u>65 to 70</u> feet Sampling Method: <u>new bauler</u> Start <u>12:52</u> Stop <u>13:05</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) surface</td> <td>8.26</td> <td>0.407</td> <td>11.92</td> <td>cloudy</td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) surface	8.26	0.407	11.92	cloudy
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) surface	8.26	0.407	11.92	cloudy							
Personnel (Signature): <u>Chris Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-22-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601 rep 1, 2 DCE total from 113</u>											
*ADDITIONAL NOTES: <u>WL recovery time</u> <u>7:49 at 12:51</u>											

QA/QC Review: Initial MWR Date: 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-4G</u>	Site <u>Park Airport</u>										
☒ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>good</u>										
*PURGING											
Date <u>4-22-97</u> Air Temp <u>49°</u> Skies <u>sunny</u> Wind Speed/Direction <u>calm</u>											
TD <u>41.00</u> SWL <u>5.00</u> TD - SWL <u>36.00</u> Required Purge Volume <u>9.93 gal</u>											
Equipment Decon <u>ded Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>water</u> Start <u>11:07</u> Stop <u>11:27</u> Volume/Minutes <u>10.0 gal/11min</u>											
WL end of purge <u>6.45</u> Max WL end of Recovery = $(\frac{TD - SWL}{2}) + SWL$ = <u>8.0 gal</u>											
Personnel (Signature): <u>Chris Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 0 4 G 7 0 4 2 2 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-22-97</u> Air Temp <u>50°</u> Skies <u>sunny</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>Steam cleaned bauler + parts</u>											
Sampled Depth Interval: <u>22 to 32</u> feet Sampling Method: <u>new bauler</u> Start <u>11:31</u> Stop <u>11:41</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) surface</td> <td>7.82</td> <td>0.949</td> <td>13.43</td> <td>cloudy</td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) surface	7.82	0.949	13.43	cloudy
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) surface	7.82	0.949	13.43	cloudy							
Personnel (Signature): <u>Chris Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-22-97</u> Method Shipped <u>Delivered to lab by GSC</u>											
Analyses Requested <u>601 rep 1, 2 DCE total from 113</u>											
*ADDITIONAL NOTES: <u>WL Recovery Time</u> <u># SWL measured twice prior to purge</u> <u>5.06 at 11:30</u>											

QA/QC Review: Initial MWR Date: 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-6 G</u>	Site <u>Airport Park</u>										
☒ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>good</u>										
*PURGING											
Date <u>4-18-97</u> Air Temp <u>40°</u> Skies <u>rain</u> Wind Speed/Direction <u>10 mph/N</u>											
TD <u>55.80</u> SWL <u>4.30</u> TD - SWL <u>51.50</u> Required Purge Volume <u>14.21 gal</u>											
Equipment Decon <u>ded Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>water</u> Start <u>10:40</u> Stop <u>11:02</u> Volume/Minutes <u>14.50 gal/22min</u>											
WL end of purge <u>4.40</u> Max WL end of Recovery = $(\frac{TD - SWL}{2}) + SWL$ = <u>9.45</u>											
Personnel (Signature): <u>Chris Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 0 6 G 7 0 4 1 8 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-18-97</u> Air Temp <u>40°</u> Skies <u>rain</u> Wind Speed/Direction <u>10 mph/N</u>											
Equipment Decon <u>Steam cleaned bauler + parts</u>											
Sampled Depth Interval: <u>40 to 50</u> feet Sampling Method: <u>bauler</u> Start <u>11:07</u> Stop <u>12:23</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) surface</td> <td>6.59</td> <td>1.76</td> <td>12.72</td> <td>clear</td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) surface	6.59	1.76	12.72	clear
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) surface	6.59	1.76	12.72	clear							
Personnel (Signature): <u>Chris Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-21-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601 rep 1, 2 DCE total from 113</u>											
*ADDITIONAL NOTES: <u>Gallons purged</u> <u>5</u> <u>10</u> <u>14.5</u> <u>WL recovery</u> <u>4.35 at 11:08</u>											

QA/QC Review: Initial MWR Date: 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-113</u>	Site <u>Airport Park</u>										
☐ Manhole ☒ Standpipe ☐ Other	Physical Well/Location Condition: <u>good</u>										
*PURGING											
Date <u>4-18-97</u> Air Temp <u>40°</u> Skies <u>rain</u> Wind Speed/Direction <u>5 mph/N</u>											
TD <u>12.16</u> SWL <u>7.55</u> TD - SWL <u>4.61</u> Required Purge Volume <u>1.27 gal</u>											
Equipment Decon <u>Ded Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>Water</u> Start <u>11:47</u> Stop <u>11:53</u> Volume/Minutes <u>1.50 gal/6 min</u>											
WL end of purge <u>7.78</u> Max WL end of Recovery = $(\frac{1.50}{10}) + SWL$ = <u>8.01</u>											
Personnel (Signature): <u>Ch Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 1 1 5 7 0 4 1 8 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-18-97</u> Air Temp <u>40°</u> Skies <u>rain</u> Wind Speed/Direction <u>5 mph/N</u>											
Equipment Decon <u>stream cleaned barrels + parts</u>											
Sampled Depth Interval: <u>8</u> to <u>11</u> feet Sampling Method: <u>non-ded. Bail</u> Start <u>12:03</u> Stop <u>12:10</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>surface</u></td> <td><u>6.64</u></td> <td><u>0.725</u></td> <td><u>14.53</u></td> <td><u>Cloudy</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>surface</u>	<u>6.64</u>	<u>0.725</u>	<u>14.53</u>	<u>Cloudy</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>surface</u>	<u>6.64</u>	<u>0.725</u>	<u>14.53</u>	<u>Cloudy</u>							
Personnel (Signature): <u>Ch Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-21-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601 rep 1.2 DCE total from 113</u>											
*ADDITIONAL NOTES: <u>WL recovery time</u> <u>7.57 at 12:02</u>											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-143</u>	Site <u>Airport Park</u>										
☐ Manhole ☒ Standpipe ☐ Other	Physical Well/Location Condition: <u>good</u>										
*PURGING											
Date <u>4-18-97</u> Air Temp <u>37°</u> Skies <u>snow</u> Wind Speed/Direction <u>calm</u>											
TD <u>12.23</u> SWL <u>6.42</u> TD - SWL <u>5.81</u> Required Purge Volume <u>1.60 gal</u>											
Equipment Decon <u>Ded Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>Water</u> Start <u>15:28</u> Stop <u>15:36</u> Volume/Minutes <u>1.75 gal/8 min</u>											
WL end of purge <u>6.92</u> Max WL end of Recovery = $(\frac{1.75}{10}) + SWL$ = <u>7.00</u>											
Personnel (Signature): <u>Ch Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 1 4 5 7 0 4 1 8 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-18-97</u> Air Temp <u>37°</u> Skies <u>snow</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>stream cleaned barrels + parts</u>											
Sampled Depth Interval: <u>7.0</u> to <u>12.0</u> feet Sampling Method: <u>non-ded. Bail</u> Start <u>15:42</u> Stop <u>15:50</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>surface</u></td> <td><u>6.0</u></td> <td><u>0.421</u></td> <td><u>7.32</u></td> <td><u>Cloudy</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>surface</u>	<u>6.0</u>	<u>0.421</u>	<u>7.32</u>	<u>Cloudy</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>surface</u>	<u>6.0</u>	<u>0.421</u>	<u>7.32</u>	<u>Cloudy</u>							
Personnel (Signature): <u>Ch Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-21-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601 rep 1.2 DCE total from 113</u>											
*ADDITIONAL NOTES: <u>WL recovery</u> <u>6.44 / 15:41</u>											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-185</u>	Site <u>Park Airport</u>										
☐ Manhole ☒ Standpipe ☐ Other	Physical Well/Location Condition: <u>good</u>										
*PURGING											
Date <u>4-21-97</u> Air Temp <u>44°</u> Skies <u>cloudy</u> Wind Speed/Direction <u>calm</u>											
TD <u>12.35</u> SWL <u>6.35</u> TD - SWL <u>6.00</u> Required Purge Volume <u>2.93 gal</u>											
Equipment Decon <u>Ded Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>peristaltic</u> Start <u>13:03</u> Stop <u>13:10</u> Volume/Minutes <u>30g/7 min</u>											
WL end of purge <u>7.00</u> Max WL end of Recovery = $(\frac{30}{10}) + SWL$ = <u>7.00</u>											
Personnel (Signature): <u>Ch Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 1 0 5 7 0 4 2 1 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-21-97</u> Air Temp <u>44°</u> Skies <u>cloudy</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>stream cleaned barrels + parts</u>											
Sampled Depth Interval: <u>8</u> to <u>12</u> feet Sampling Method: <u>non-ded. Bail</u> Start <u>13:18</u> Stop <u>13:24</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>12 ft</u></td> <td><u>6.39</u></td> <td><u>525 us</u></td> <td><u>10.6</u></td> <td><u>Cloudy</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>12 ft</u>	<u>6.39</u>	<u>525 us</u>	<u>10.6</u>	<u>Cloudy</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>12 ft</u>	<u>6.39</u>	<u>525 us</u>	<u>10.6</u>	<u>Cloudy</u>							
Personnel (Signature): <u>Ch Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>1</u>											
Date Shipped <u>4-22-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>TPH by 118.1</u>											
*ADDITIONAL NOTES:											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-204</u>	Site <u>Park Airport</u>										
☐ Manhole ☒ Standpipe ☐ Other	Physical Well/Location Condition: <u>good</u>										
*PURGING											
Date <u>4-17-97</u> Air Temp <u>47°</u> Skies <u>drizzle</u> Wind Speed/Direction <u>calm</u>											
TD <u>12.75</u> SWL <u>6.00</u> TD - SWL <u>6.75</u> Required Purge Volume <u>1.86 gal</u>											
Equipment Decon <u>Dedicated equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>peristaltic</u> Start <u>14:02</u> Stop <u>14:05</u> Volume/Minutes <u>2g/3 min</u>											
WL end of purge <u>6.37</u> Max WL end of Recovery = $(\frac{2}{10}) + SWL$ = <u>6.67</u>											
Personnel (Signature): <u>Andrew F. Nadeau</u>											
*SAMPLING											
Sample ID: <u>A 0 0 2 0 5 7 0 4 1 7 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-17-97</u> Air Temp <u>47°</u> Skies <u>drizzle</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>stream cleaned, mixed with deionized water</u>											
Sampled Depth Interval: <u>10</u> to <u>12</u> feet Sampling Method: <u>bail</u> Start <u>14:11</u> Stop <u>14:29</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>surface</u></td> <td><u>6.32</u></td> <td><u>0.391</u></td> <td><u>9.34</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>surface</u>	<u>6.32</u>	<u>0.391</u>	<u>9.34</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>surface</u>	<u>6.32</u>	<u>0.391</u>	<u>9.34</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nadeau</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>3</u>											
Date Shipped <u>4-18-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601 from 113 rep 1.2 DCE To tal, Base Neutral Compounds</u>											
*ADDITIONAL NOTES: <u>Recovery time = 6:00/14:10</u>											

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location Dupont - A-205 Site Pok Airport
☐ Manhole ☒ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**
 Date 4-17-97 Air Temp 47° Skies drizzle Wind Speed/Direction calm
 TD 12.75 SWL 6.00 TD - SWL 6.75 Required Purge Volume 1.86 gal
 Equipment Decon Dea Equip Purge Water Disposal To ground
 Method water Start 14:02 Stop 14:05 Volume/Minutes 29/3 min
 WL end of purge 6.27 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 6.67
 Personnel (Signature): Andrew F. Nudel

***SAMPLING**
 Sample ID: A 0 0 2 0 5 7 0 4 1 7 X ☒ GW ☐ Surface ☐ Other _____
 Date 4-17-97 Air Temp 47° Skies drizzle Wind Speed/Direction calm
 Equipment Decon steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 6 to 12 feet Sampling Method: bailler Start 14:11 Stop 14:24

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	Surface	6.32	0.391	7.34	clear

Personnel (Signature): Andrew F. Nudel

***LAB INFO**
 Lab IBM East Fork Turnaround Time normal No. of Containers 4
 Date Shipped 4-18-97 Method Shipped Delivered by GSC
 Analyses Requested 601, Fe, H₂ report 12 DVE Total

***ADDITIONAL NOTES:**

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location A-216 Site Pok Airport
☐ Manhole ☒ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**
 Date 4-22-97 Air Temp 43° Skies sunny Wind Speed/Direction calm
 TD 39.35 SWL 7.41 TD - SWL 31.94 Required Purge Volume 15.61 gal
 Equipment Decon Dea Equip Purge Water Disposal To ground
 Method water Start 9:16 Stop 9:38 Volume/Minutes 15.75 gal/22 min
 WL end of purge 7.69 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 10.60
 Personnel (Signature): Chris Shanna

***SAMPLING**
 Sample ID: A 0 0 2 1 G 7 0 4 2 2 G ☒ GW ☐ Surface ☐ Other _____
 Date 4-22-97 Air Temp 43° Skies sunny Wind Speed/Direction calm
 Equipment Decon steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 10 to 20 feet Sampling Method: 100% Dea Bailler Start 9:47 Stop 9:56

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	39 ft	6.84	1.251	14.27	Clear

Personnel (Signature): Chris Shanna

***LAB INFO**
 Lab Envirotest Turnaround Time normal No. of Containers 2
 Date Shipped 4-22-97 Method Shipped Delivered by GSC
 Analyses Requested 601, Fe, H₂ report 12 DVE Total

***ADDITIONAL NOTES:**
 * SWL measured twice prior to purg. W/ Recovery
7.42 at 9:46

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location A-218 Site Pok Airport
☐ Manhole ☒ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**
 Date 4-22-97 Air Temp 43° Skies sunny Wind Speed/Direction calm
 TD 64.20 SWL 6.48 TD - SWL 57.72 Required Purge Volume 28.22
 Equipment Decon Dea Equip Purge Water Disposal To ground
 Method water Start 10:02 Stop 10:40 Volume/Minutes 26.25 gal/30 min
 WL end of purge 6.66 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 12.25
 Personnel (Signature): Chris Shanna

***SAMPLING**
 Sample ID: A 0 0 2 1 R 7 0 4 2 2 G ☒ GW ☐ Surface ☐ Other _____
 Date 4-22-97 Air Temp 49° Skies sunny Wind Speed/Direction calm
 Equipment Decon Steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 20 to 30 feet Sampling Method: 100% Dea Bailler Start 10:44 Stop 10:51

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	64 ft	7.60	1.357	14.44	Cloudy

Personnel (Signature): Chris Shanna

***LAB INFO**
 Lab Envirotest Turnaround Time Normal No. of Containers 2
 Date Shipped 4-22-97 Method Shipped Delivered by GSC
 Analyses Requested 601, Fe, H₂ report 12 DVE Total

***ADDITIONAL NOTES:**
W/ Recovery Time
6.53 at 10:43

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location A-218 Site Pok Airport
☐ Manhole ☒ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**
 Date 4-18-97 Air Temp 38° Skies cloudy/rain Wind Speed/Direction 10 mph/N
 TD 12.29 SWL 7.31 TD - SWL 4.98 Required Purge Volume 2.43 gal
 Equipment Decon Dea Equip Purge Water Disposal To ground
 Method water Start 14:39 Stop 14:50 Volume/Minutes 2.50 gal/11 min
 WL end of purge 7.50 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 7.86
 Personnel (Signature): Chris Shanna

***SAMPLING**
 Sample ID: A 0 0 2 1 R 7 0 4 1 8 G ☒ GW ☐ Surface ☐ Other _____
 Date 4-18-97 Air Temp 38° Skies cloudy/rain Wind Speed/Direction 10 mph/N
 Equipment Decon Steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 7 to 12 feet Sampling Method: 100% Dea Bailler Start 15:14 Stop 15:14

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	Surface	6.64	0.617	9.60	Cloudy

Personnel (Signature): Chris Shanna

***LAB INFO**
 Lab Envirotest Turnaround Time Normal No. of Containers 2
 Date Shipped 4-21-97 Method Shipped Delivered by GSC
 Analyses Requested 601, Fe, H₂ report 12 DVE Total

***ADDITIONAL NOTES:**
W/ Recovery
7.37 at 14:55

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location A-22R Site Park Airport
☐ Manhole ☒ Standpipe ☐ Other Physical Well/Location Condition: covered

***PURGING**
 Date 4-21-97 Air Temp 42° Skies cloudy Wind Speed/Direction calm
 TD 250.00 SWL 244.6 TD - SWL 225.54 Required Purge Volume 973.25 g
 Equipment Decon Decontagant Purge Water Disposal To ground
 Method Decontagant Start 11:40 Stop 13:40 Volume/Minutes 505g/120min
 WL end of purge 245.00 Max WL end of Recovery = $(\frac{100}{100} - \frac{100}{100}) \cdot \frac{100}{100} + \text{SWL}$ = 47.01
 Personnel (Signature): Andrew F. Nulley

***SAMPLING**
 Sample ID: A 0 0 2 2 R 7 0 4 2 1 G ☐ GW ☐ Surface ☐ Other
 Date 4-21-97 Air Temp 46° Skies cloudy Wind Speed/Direction calm
 Equipment Decon Steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 140 to 150 feet Sampling Method: bailler Start 15:40 Stop 16:02

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	surface	8.36	463 μS	13.1	clear

Personnel (Signature): Andrew F. Nulley

***LAB INFO**
 Lab Envirotest Turnaround Time normal No. of Containers 2
 Date Shipped 4-22-97 Method Shipped Delivered by GSC
 Analyses Requested 601, From 113, report 12 DCE Total

***ADDITIONAL NOTES:**
 678421 = Flow meter at start
 679006 = Flow meter at finish
 recovery WL/time = 39.07/15.38

QA/QC Review: Initial MWR Date 8/14/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location A-23R Site Park Airport
☐ Manhole ☒ Standpipe ☐ Other Physical Well/Location Condition: covered

***PURGING**
 Date 4-21-97 Air Temp 40° Skies cloudy Wind Speed/Direction calm
 TD 185.00 SWL 14.23 TD - SWL 170.77 Required Purge Volume 752.58 g
 Equipment Decon Decontagant Purge Water Disposal To ground
 Method Decontagant Start 10:50 Stop 12:50 Volume/Minutes 531g/120min
 WL end of purge 156.65 Max WL end of Recovery = $(\frac{100}{100} - \frac{100}{100}) \cdot \frac{100}{100} + \text{SWL}$ = 31.30
 Personnel (Signature): Andrew F. Nulley

***SAMPLING**
 Sample ID: A 0 0 2 3 R 7 0 4 2 1 G ☐ GW ☐ Surface ☐ Other
 Date 4-21-97 Air Temp 46° Skies cloudy Wind Speed/Direction calm
 Equipment Decon Steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 110 to 120 feet Sampling Method: bailler Start 14:50 Stop 15:09

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	surface	8.60	783 μS	13.0	clear

Personnel (Signature): Andrew F. Nulley

***LAB INFO**
 Lab Envirotest Turnaround Time normal No. of Containers 2
 Date Shipped 4-22-97 Method Shipped Delivered by GSC
 Analyses Requested 601, From 113, report 12 DCE Total

***ADDITIONAL NOTES:**
 387123 = Flow meter at start
 387654 = Flow meter at finish
 recovery WL/time = 41.66/14.45

QA/QC Review: Initial MWR Date 8/14/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location A-24R Site Park Airport
☐ Manhole ☒ Standpipe ☐ Other Physical Well/Location Condition: covered

***PURGING**
 Date 4-21-97 Air Temp 44° Skies cloudy Wind Speed/Direction calm
 TD 180.00 SWL 25.83 TD - SWL 154.17 Required Purge Volume 679.42 g
 Equipment Decon Decontagant Purge Water Disposal To ground
 Method Decontagant Start 13:00 Stop 14:09 Volume/Minutes 785g/63min
 WL end of purge 116.39 Max WL end of Recovery = $(\frac{100}{100} - \frac{100}{100}) \cdot \frac{100}{100} + \text{SWL}$ = 41.24
 Personnel (Signature): Andrew F. Nulley

***SAMPLING**
 Sample ID: A 0 0 2 4 R 7 0 4 2 1 G ☐ GW ☐ Surface ☐ Other
 Date 4-21-97 Air Temp 46° Skies cloudy Wind Speed/Direction calm
 Equipment Decon Steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 100 to 110 feet Sampling Method: bailler Start 15:20 Stop 15:33

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	surface	8.46	437 μS	12.6	clear

Personnel (Signature): Andrew F. Nulley

***LAB INFO**
 Lab Envirotest Turnaround Time normal No. of Containers 2
 Date Shipped 4-22-97 Method Shipped Delivered by GSC
 Analyses Requested 601, From 113, report 12 DCE Total

***ADDITIONAL NOTES:**
 387654 = Flow meter at start
 388439 = Flow meter at finish
 recovery WL/time = 29.64/15.17

QA/QC Review: Initial MWR Date 8/14/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**
 Sample Location A-25R Site Park Airport
☐ Manhole ☒ Standpipe ☐ Other Physical Well/Location Condition: good

***PURGING**
 Date 4-16-97 Air Temp 38° Skies rain Wind Speed/Direction 15 mph/N
 TD 150.00 SWL 17.58 TD - SWL 132.42 Required Purge Volume 583.97
 Equipment Decon Decontagant Purge Water Disposal To ground
 Method Decontagant Start 9:44 Stop 11:35 Volume/Minutes 600g/111min
 WL end of purge 148.55 Max WL end of Recovery = $(\frac{100}{100} - \frac{100}{100}) \cdot \frac{100}{100} + \text{SWL}$ = 88.308
 Personnel (Signature): Chris Shannon

***SAMPLING**
 Sample ID: A 0 0 2 5 R 7 0 4 1 8 G ☐ GW ☐ Surface ☐ Other
 Date 4-16-97 Air Temp 41° Skies rain Wind Speed/Direction 10 mph/N
 Equipment Decon Steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 40 to 100 feet Sampling Method: Non Deg Bailer Start 13:10 Stop 13:22

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	surface	7.35	0.430	12.33	Clear

Personnel (Signature): Chris Shannon

***LAB INFO**
 Lab Envirotest Turnaround Time normal No. of Containers 2
 Date Shipped 4-21-97 Method Shipped Delivered by GSC
 Analyses Requested 601 rep 12 DCE total From 113

***ADDITIONAL NOTES:**
 Flow meter: 0386500
 387110
 WL Recovery
 30.40 at 12:49
 30.66 at 13:07
 61

QA/QC Review: Initial MWR Date 8/14/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-2106</u>	Site <u>Pak-Arput</u>										
☒ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>4-17-97</u> Air Temp <u>46°</u> Skies <u>hazy</u> Wind Speed/Direction <u>calm</u>											
TD <u>45.50</u> SWL <u>46.2</u> TD - SWL <u>46.88</u> Required Purge Volume <u>19.99 g</u>											
Equipment Decon <u>Decont. eqpt</u> Purge Water Disposal <u>To ground</u>											
Method <u>Wetcore</u> Start <u>15:43</u> Stop <u>1:14</u> Volume/Minutes <u>1:14</u>											
WL end of purge <u>1:14</u> Max WL end of Recovery = $(\frac{TD - SWL}{10}) \times SWL$ = <u>8.70</u>											
Personnel (Signature): <u>NA</u>											
*SAMPLING											
Sample ID: <u>A 0 0 2 6 G 7 0 4 1 7 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-17-97</u> Air Temp <u>NA</u> Skies <u>NA</u> Wind Speed/Direction <u>NA</u>											
Equipment Decon <u>Steam cleaned, rinsed with deionized water</u>											
Sampled Depth Interval: <u>NA</u> to <u>NA</u> feet Sampling Method: <u>bailler</u> Start <u>NA</u> Stop <u>NA</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>surface</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> <td><u>NA</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>surface</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>surface</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>							
Personnel (Signature): <u>NA</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-18-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601, From 113 report 12 DCE Total</u>											
*ADDITIONAL NOTES:											
recovery WL/hine = <u>NA</u>											
* Not purged or sampled. See page 2514. am											

QA/QC Review: Initial NA Date 4/24/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-216</u>	Site <u>Arput-Pak</u>										
☐ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>4-18-97</u> Air Temp <u>37°</u> Skies <u>rain</u> Wind Speed/Direction <u>16 mph W</u>											
TD <u>45.50</u> SWL <u>7.32</u> TD - SWL <u>38.18</u> Required Purge Volume <u>18.67 g</u>											
Equipment Decon <u>Decont. Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>waters</u> Start <u>8:35</u> Stop <u>10:35</u> Volume/Minutes <u>7.50 g / 12.0 min</u>											
WL end of purge <u>41:32</u> Max WL end of Recovery = $(\frac{TD - SWL}{10}) \times SWL$ = <u>11.13</u>											
Personnel (Signature): <u>C. Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 2 6 G 7 0 4 1 8 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-18-97</u> Air Temp <u>41°</u> Skies <u>rain</u> Wind Speed/Direction <u>10 mph N</u>											
Equipment Decon <u>Steam cleaned, bailler + ports</u>											
Sampled Depth Interval: <u>35</u> to <u>45</u> feet Sampling Method: <u>Non-Decont. Bailler</u> Start <u>12:35</u> Stop <u>12:54</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>surface</u></td> <td><u>7.83</u></td> <td><u>0.386</u></td> <td><u>12.11</u></td> <td><u>Cloudy</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>surface</u>	<u>7.83</u>	<u>0.386</u>	<u>12.11</u>	<u>Cloudy</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>surface</u>	<u>7.83</u>	<u>0.386</u>	<u>12.11</u>	<u>Cloudy</u>							
Personnel (Signature): <u>C. Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-21-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601, From 113 report 12 DCE total</u>											
*ADDITIONAL NOTES:											
* Sub measured prior to purg											
<u>WL/Recovery</u> <u>26.62 at 12:34</u>											

QA/QC Review: Initial NA Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-216</u>	Site <u>Pak-Main</u>										
☒ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>4-17-97</u> Air Temp <u>45°</u> Skies <u>hazy</u> Wind Speed/Direction <u>calm</u>											
TD <u>23.12</u> SWL <u>1.40</u> TD - SWL <u>21.73</u> Required Purge Volume <u>10.38 g</u>											
Equipment Decon <u>Decont. eqpt</u> Purge Water Disposal <u>To ground</u>											
Method <u>permissible</u> Start <u>16:12</u> Stop <u>16:41</u> Volume/Minutes <u>10.5 g / 29 min</u>											
WL end of purge <u>16:57</u> Max WL end of Recovery = $(\frac{TD - SWL}{10}) \times SWL$ = <u>4.02</u>											
Personnel (Signature): <u>Andrew F. Nishell</u>											
*SAMPLING											
Sample ID: <u>A 0 0 2 6 G 7 0 4 1 7 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-17-97</u> Air Temp <u>45°</u> Skies <u>hazy</u> Wind Speed/Direction <u>2 mph W</u>											
Equipment Decon <u>Steam cleaned, rinsed with deionized water</u>											
Sampled Depth Interval: <u>13</u> to <u>23</u> feet Sampling Method: <u>bailler</u> Start <u>16:46</u> Stop <u>17:01</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>surface</u></td> <td><u>6.71</u></td> <td><u>0.900</u></td> <td><u>12.78</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>surface</u>	<u>6.71</u>	<u>0.900</u>	<u>12.78</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>surface</u>	<u>6.71</u>	<u>0.900</u>	<u>12.78</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nishell</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-18-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601, From 113 report 12 DCE Total, Base Neutral compounds</u>											
*ADDITIONAL NOTES:											
recovery WL/hine = <u>2.67/16:45</u>											

QA/QC Review: Initial NA Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-276</u>	Site <u>Pak-Arput</u>										
☐ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>4-17-97</u> Air Temp <u>48°</u> Skies <u>hazy</u> Wind Speed/Direction <u>calm</u>											
TD <u>56.20</u> SWL <u>7.27</u> TD - SWL <u>42.93</u> Required Purge Volume <u>20.99 g</u>											
Equipment Decon <u>Decont. eqpt</u> Purge Water Disposal <u>To ground</u>											
Method <u>permissible</u> Start <u>10:43</u> Stop <u>12:35</u> Volume/Minutes <u>21.25 g / 112 min</u>											
WL end of purge <u>22:38</u> Max WL end of Recovery = $(\frac{TD - SWL}{10}) \times SWL$ = <u>4.56</u>											
Personnel (Signature): <u>Andrew F. Nishell</u>											
*SAMPLING											
Sample ID: <u>A 0 0 2 7 G 7 0 4 1 7 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-17-97</u> Air Temp <u>48°</u> Skies <u>hazy</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>Steam cleaned, rinsed with deionized water</u>											
Sampled Depth Interval: <u>40</u> to <u>50</u> feet Sampling Method: <u>bailler</u> Start <u>13:42</u> Stop <u>13:54</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) <u>surface</u></td> <td><u>7.86</u></td> <td><u>0.394</u></td> <td><u>13.01</u></td> <td><u>clear</u></td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) <u>surface</u>	<u>7.86</u>	<u>0.394</u>	<u>13.01</u>	<u>clear</u>
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) <u>surface</u>	<u>7.86</u>	<u>0.394</u>	<u>13.01</u>	<u>clear</u>							
Personnel (Signature): <u>Andrew F. Nishell</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-18-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601, From 113 report 12 DCE Total</u>											
*ADDITIONAL NOTES:											
recovery WL/hine = <u>7.78/13:38</u>											

QA/QC Review: Initial NA Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**

Sample Location A-275 Site Pot. Airport
☐ Manhole ☒ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**

Date 4-17-97 Air Temp 47° Skies rainy Wind Speed/Direction calm
 TD 26.10 SWL 4.16 TD - SWL 21.94 Required Purge Volume 10.72g
 Equipment Decon Decontaminated Purge Water Disposal To ground
 Method peristaltic Start 12:53 Stop 13:14 Volume/Minutes 11g/21 min
 WL end of purge 5.97 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 6.35
 Personnel (Signature): Amber F. Nishitani

***SAMPLING**

Sample ID: A 0 0 2 7 5 7 0 4 1 7 G ☒ GW ☐ Surface ☐ Other _____
 Date 4-17-97 Air Temp 47° Skies rainy Wind Speed/Direction calm
 Equipment Decon Steam cleaned, rinsed with deionized water
 Sampled Depth Interval: 16 to 26 feet Sampling Method: bauler Start 13:23 Stop 13:34

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	surface	6.62	0.836	12.13	clear

Personnel (Signature): Amber F. Nishitani

***LAB INFO**

Lab Envirokat Turnaround Time normal No. of Containers 2
 Date Shipped 4-18-97 Method Shipped Delivered by GSC
 Analyses Requested 601 From 1/2 report 1/2 DTS To Tel

***ADDITIONAL NOTES:**
 2 sec measured time prior to purge.
 recovery WL time = 4.89/13:22

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**

Sample Location A-306 Site Pot. Airport
☐ Manhole ☒ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**

Date 4-21-97 Air Temp 40° Skies cloudy Wind Speed/Direction calm
 TD 48.16 SWL 2.66 TD - SWL 45.50 Required Purge Volume 22.24gall
 Equipment Decon Decon Purge Water Disposal To ground
 Method vacuums Start 11:19 Stop 12:01 Volume/Minutes 230gall/42 min
 WL end of purge 2.95 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 7.21
 Personnel (Signature): Chris Ghanem

***SAMPLING**

Sample ID: A 0 0 3 0 6 7 0 4 2 1 G ☒ GW ☐ Surface ☐ Other _____
 Date 4-21-97 Air Temp 43° Skies cloudy Wind Speed/Direction calm
 Equipment Decon Steam cleaned, bailed & patted
 Sampled Depth Interval: 20 to 25 feet Sampling Method: non-dec bailer Start 12:08 Stop 12:16

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	45 ft	7.74	1311 uS	13.5	Cloudy

Personnel (Signature): Chris Ghanem

***LAB INFO**

Lab Envirokat Turnaround Time normal No. of Containers 2
 Date Shipped 4-22-97 Method Shipped Delivered by GSC to lab
 Analyses Requested 601 up 1/2 BCE total From 1/2

***ADDITIONAL NOTES:** Guano purged WL/Recovery
5 20 2.66 at 12:07
10 23
15

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**

Sample Location A-335 Site Pot. Airport
☒ Manhole ☐ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**

Date 4-22-97 Air Temp 55° Skies cloudy Wind Speed/Direction calm
 TD 7.71 SWL 4.74 TD - SWL 2.97 Required Purge Volume 1.45gall
 Equipment Decon Decon Purge Water Disposal To ground
 Method peristaltic Start 13:21 Stop 13:24 Volume/Minutes 1.50gall/3 min
 WL end of purge 4.91 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 5.03
 Personnel (Signature): Chris Ghanem

***SAMPLING**

Sample ID: A 0 0 3 3 5 7 0 4 2 2 G ☒ GW ☐ Surface ☐ Other _____
 Date 4-22-97 Air Temp 58° Skies Sunny Wind Speed/Direction calm
 Equipment Decon Steam cleaned, bailed & patted
 Sampled Depth Interval: 5.0 to 7.5 feet Sampling Method: non-dec bailer Start 13:33 Stop 13:41

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	7.5 ft	6.75	0.395	9.17	Cloudy

Personnel (Signature): Chris Ghanem

***LAB INFO**

Lab Envirokat Turnaround Time normal No. of Containers 1
 Date Shipped 4-22-97 Method Shipped Delivered by GSC
 Analyses Requested TPH by 418.1

***ADDITIONAL NOTES:** WL/Recovery Time
4.74 at 13:32

QA/QC Review: Initial MWR Date 8/12/97

**IBM MID-HUDSON VALLEY
SAMPLING FIELD DATA SHEET**

***GENERAL INFORMATION**

Sample Location A-345 Site Pot. Airport
☐ Manhole ☒ Standpipe ☐ Other _____ Physical Well/Location Condition: Good

***PURGING**

Date 4-21-97 Air Temp 46° Skies P. sunny Wind Speed/Direction calm
 TD 10.94 SWL 7.63 TD - SWL 2.91 Required Purge Volume 1.42gall
 Equipment Decon Decon Purge Water Disposal To ground
 Method peristaltic Start 14:13 Stop 14:16 Volume/Minutes 1.50gall/5 min
 WL end of purge 4.20 Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = 7.92
 Personnel (Signature): Chris Ghanem

***SAMPLING**

Sample ID: A 0 0 3 4 5 7 0 4 2 1 G ☒ GW ☐ Surface ☐ Other _____
 Date 4-21-97 Air Temp 46° Skies cloudy Wind Speed/Direction calm
 Equipment Decon Steam cleaned
 Sampled Depth Interval: 8 to 10 feet Sampling Method: non-dec bailer Start 14:23 Stop 14:34

Field Data	Depth	pH	Sp. Cond.	Temperature	Clarity
(in well/in line)	10 ft	5.92	438 uS	9.9	Cloudy

Personnel (Signature): Chris Ghanem

***LAB INFO**

Lab Envirokat Turnaround Time normal No. of Containers 1
 Date Shipped 4-22-97 Method Shipped Delivered by GSC
 Analyses Requested TPH by 418.1

***ADDITIONAL NOTES:** WL/Recovery Time
7.65 at 14:22

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-39P</u>	Site <u>Park Airport</u>										
☐ Manhole ☒ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>9-21-97</u> Air Temp <u>44°</u> Skies <u>cloudy</u> Wind Speed/Direction <u>calm</u>											
TD <u>9.03</u> SWL <u>6.27</u> TD - SWL <u>3.56</u> Required Purge Volume <u>0.90 gal</u>											
Equipment Decon <u>Del Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>Peristaltic</u> Start <u>13:30</u> Stop <u>13:42</u> Volume/Minutes <u>1.0 gal / 4 min</u>											
WL end of purge <u>6.38</u> Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = <u>6.62</u>											
Personnel (Signature): <u>Ch Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 3 9 5 7 0 4 2 1 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>9-21-97</u> Air Temp <u>44°</u> Skies <u>cloudy</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>steam cleaned</u>											
Sampled Depth Interval: <u>6.5 to 9.5</u> feet Sampling Method: <u>non-pod bailer</u> Start <u>13:40</u> Stop <u>14:04</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) surface</td> <td>5.85</td> <td>238 US</td> <td>10.2</td> <td>cloudy</td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) surface	5.85	238 US	10.2	cloudy
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) surface	5.85	238 US	10.2	cloudy							
Personnel (Signature): <u>Ch Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>1</u>											
Date Shipped <u>9-22-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>TPH by 418.1</u>											
*ADDITIONAL NOTES: <u>6.27 at 13:47</u>											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-44P</u>	Site <u>Park Airport</u>										
☒ Manhole ☐ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>4-17-97</u> Air Temp <u>44°</u> Skies <u>drizzle</u> Wind Speed/Direction <u>4 mph N</u>											
TD <u>12.92</u> SWL <u>8.91</u> TD - SWL <u>10.07</u> Required Purge Volume <u>4.92 gal</u>											
Equipment Decon <u>Dedicated eqpt</u> Purge Water Disposal <u>To ground</u>											
Method <u>peristaltic</u> Start <u>17:23</u> Stop <u>17:43</u> Volume/Minutes <u>50 gal / 20 min</u>											
WL end of purge <u>13.50</u> Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = <u>4.91</u>											
Personnel (Signature): <u>Andrew F. Norder</u>											
*SAMPLING											
Sample ID: <u>A 0 0 4 4 5 7 0 4 1 7 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-17-97</u> Air Temp <u>43°</u> Skies <u>drizzle</u> Wind Speed/Direction <u>4 mph N</u>											
Equipment Decon <u>Steam cleaned, rinsed with deionized water</u>											
Sampled Depth Interval: <u>5 to 13</u> feet Sampling Method: <u>bailer</u> Start <u>18:17</u> Stop <u>18:20</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) surface</td> <td>6.87</td> <td>1.167</td> <td>1.85</td> <td>clear</td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) surface	6.87	1.167	1.85	clear
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) surface	6.87	1.167	1.85	clear							
Personnel (Signature): <u>Andrew F. Norder</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>3</u>											
Date Shipped <u>4-18-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601, From 113 report 1.2 DE Tox, 602, Total Hydrocarbons, Base Neutral Compounds</u>											
*ADDITIONAL NOTES: <u>*SWL measured twice prior to purge.</u> <u>returning well time = 4:08 / 18:00</u>											

QA/QC Review: Initial MWR Date 8/12/97

IBM MID-HUDSON VALLEY SAMPLING FIELD DATA SHEET											
*GENERAL INFORMATION											
Sample Location <u>A-45G</u>	Site <u>Airport-Park</u>										
☐ Manhole ☒ Standpipe ☐ Other	Physical Well/Location Condition: <u>Good</u>										
*PURGING											
Date <u>4-21-97</u> Air Temp <u>40°</u> Skies <u>cloudy</u> Wind Speed/Direction <u>calm</u>											
TD <u>51.40</u> SWL <u>9.77</u> TD - SWL <u>41.63</u> Required Purge Volume <u>23.29 gal</u>											
Equipment Decon <u>Del Equip</u> Purge Water Disposal <u>To ground</u>											
Method <u>water</u> Start <u>10:50</u> Stop <u>12:50</u> Volume/Minutes <u>16 gal / 120 min</u>											
WL end of purge <u>56.72</u> Max WL end of Recovery = $(\frac{TD - SWL}{10}) + SWL$ = <u>14.53</u>											
Personnel (Signature): <u>Ch Shannon</u>											
*SAMPLING											
Sample ID: <u>A 0 0 4 5 G 7 0 4 2 1 G</u>	☒ GW ☐ Surface ☐ Other										
Date <u>4-21-97</u> Air Temp <u>46°</u> Skies <u>cloudy</u> Wind Speed/Direction <u>calm</u>											
Equipment Decon <u>steam cleaned bailer parts</u>											
Sampled Depth Interval: <u>25 to 35</u> feet Sampling Method: <u>non-pod bailer</u> Start <u>14:50</u> Stop <u>15:03</u>											
Field Data	<table border="1"> <thead> <tr> <th>Depth</th> <th>pH</th> <th>Sp. Cond.</th> <th>Temperature</th> <th>Clarity</th> </tr> </thead> <tbody> <tr> <td>(in well/in line) 50 ft</td> <td>7.72</td> <td>849 US</td> <td>13.5</td> <td>Clear</td> </tr> </tbody> </table>	Depth	pH	Sp. Cond.	Temperature	Clarity	(in well/in line) 50 ft	7.72	849 US	13.5	Clear
Depth	pH	Sp. Cond.	Temperature	Clarity							
(in well/in line) 50 ft	7.72	849 US	13.5	Clear							
Personnel (Signature): <u>Ch Shannon</u>											
*LAB INFO											
Lab <u>Envirotest</u> Turnaround Time <u>normal</u> No. of Containers <u>2</u>											
Date Shipped <u>4-22-97</u> Method Shipped <u>Delivered by GSC</u>											
Analyses Requested <u>601 rep 1.2 DE Tox, 602, Total Hydrocarbons</u>											
*ADDITIONAL NOTES: <u>Gallons purged 5, 10, 15</u> <u>24.25 at 14:49</u> <u>WL recovery time</u>											

QA/QC Review: Initial MWR Date 8/12/97

May 16, 1997

Groundwater Sciences Corp.
2 Summit Court, Suite 204
Fishkill, NY 12524

Attn.: Ms. Dorothy Bergmann

SUBJECT: CASE NARRATIVE, 88013.01,
ETL NUMBERS 171911 & 171955.

Dear Ms. Bergmann:

Enclosed are the analytical results for the 88013.01 project. The samples were received on April 17 & 18, 1997 and were prepared and analyzed according to EPA established methodologies and protocols. The reports were completed according to contract specific reporting requirements.

Your evaluation of the enclosed data should incorporate the use of the attached case narrative.

I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

ENVIROTEST LABORATORIES, INC.

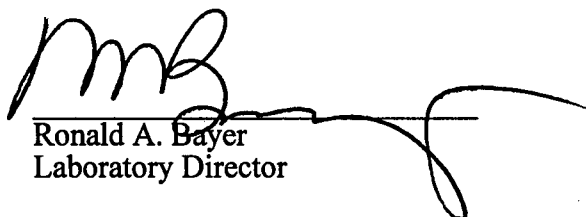

Ronald A. Bayer
Laboratory Director

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CASE NARRATIVE
Client: Groundwater Sciences Corp.
Date: 5/16/97
ETL Lab No. 171911 and 171955

Volatile Organics

Sample Dilution

The following samples were initially diluted at the indicated amount due to suspected high concentrations of method analytes:

A0040S70416G (171911-04): 2x
A0040S70416D (171911-05): 2x

The following samples were diluted at the indicated amount due to compounds that exceed the linear calibration range:

A0040S70416GDL (171911-04DL): 10x
A0040S70416DDL (171911-05DL): 10x

Matrix Spike/Matrix Spike Duplicate/Blank Spike

The percent recovery for ethylbenzene, 1,4-dichlorobenzene and 1,2-dichlorobenzene in the matrix spike and 1,4-dichlorobenzene and 1,2-dichlorobenzene in the matrix spike duplicate fall outside the acceptable limits.

The percent recovery for 1,3-dichlorobenzene in VBLKSPK25 falls outside the established control limits.

Other

Due to the co-elution of trichlorofluoromethane and freon-123A on the GC analytical column, sample number A0040S70416D (171911-05) was analyzed by GC/MS. The results indicate the presence of freon-123A and not trichlorofluoromethane.

Semi-volatile Organics

Sample Dilution

The following sample was diluted at the indicated amount due to initial sample results over the linear calibration range:

AQ042S70416GDL (171911-02DL): 5x
A0040S70416GDL (171911-04DL): 10x
A0036S70416GDL (171911-07DL): 5x

CASE NARRATIVE

Client: Groundwater Sciences Corp.

Date: 5/16/97

ETL Lab No. 171911 and 171955

Page-2-

Matrix Spike/Matrix Spike Duplicate/Blank Spike

Due to insufficient sample volume received, the matrix spike/matrix spike duplicate was extracted using 500mls of sample instead of the required 1000ml sample volume.

The percent RSD for 2,4-dinitrotoluene in sample number A0040S70416GMS/MSD (171911-04MS/MSD) is outside of the established control limit.

The percent recovery for 2,4-dinitrotoluene in sample number A0040S70416GMS/MSD (171911-04MS/MSD) is outside of the established control limit.

The percent recovery for 2,4-dinitrotoluene in the blank spike of 4/23/97 falls outside the acceptable limits.

TPH 418.1

Matrix Spike/Matrix Spike Duplicate

There was insufficient sample received to prepare an actual matrix spike/matrix spike duplicate for laboratory number 171911. The MS/MSD was prepared using laboratory tap water.



EnviroTest Laboratories Inc.

315 Fullerton Avenue, Newburgh, NY 12550 (914) 562-0890 FAX (914) 562-0841

CHAIN OF CUSTODY RECORD

CUSTOMER NAME <i>Groundwater Sciences Corp.</i>	
ADDRESS <i>2 Summit Ct, Suite 204</i>	
CITY, STATE, ZIP <i>Fishkill, NY 12524</i>	
NAME OF CONTACT <i>D. Bergmann</i>	PHONE NO. <i>914-896-0283 x14</i>
PROJECT LOCATION <i>IBM Park - Airport</i>	
PROJECT NUMBER / PO NO. <i>88013.01</i>	

REPORT TYPE	TURNAROUND
STANDARD ☐ ISRA ☒	☒ NORMAL
NYASP A ☐ B ☐ CLP ☐	☐ QUICK
OTHER <i>See attached list</i>	☐ VERBAL

LABORATORY # (Lab Use Only)
TEMP BLANK ☐
DPI CHECK ☐
REVIEWED BY <i>[Signature]</i>
NY PUBLIC WATER SUPPLIES
SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

ETL#	SAMPLING DATE	TIME	COMP	MATRIX	CLIENT I.D.	Total of Containers	40ml Glass	Liter HCl	Liter Sulfuric	Liter Organic	Liter P Nitric	Liter Sodium	Liter P	Liter Sulfuric	250ml	125ml Ster	250ml	2 oz Corpa	FEDERAL ID	ANALYSIS REQUESTED
01	4/16/97	14:55	✓	AQ	ADD 43570416G	3	2		1											601. From 12, report 1,2 DCE Total, 602. Total Xylenes Base Neutral Compounds
02	4/16/97	15:40	✓	AQ	ADD 42570416G	3	2		1											601. From 13, report 1,2 DCE Total, 602. Total Xylenes Base Neutral Compounds
03	4/16/97	15:40	✓	AQ	ADD 42570416D	2	2													601. From 13, report 1,2 DCE Total, 602. Total Xylenes Base Neutral Compounds
04	4/16/97	16:31	✓	AQ	ADD 40570416G	7*	4	1	2											601. From 13, report 1,2 DCE Total, 602. Total Xylenes Base Neutral Compounds, Total Petroleum Hydrocarbons
05	4/16/97	16:31	✓	AQ	ADD 40570416D	2	2													601. From 13, report 1,2 DCE Total, 602. Total Xylenes Base Neutral Compounds
06	4/16/97	17:31	✓	AQ	ADD 41570416G	3	2		1											601. From 13, report 1,2 DCE Total, 602. Total Xylenes Base Neutral Compounds
07	4/16/97	18:09	✓	AQ	ADD 36570416G	4	2	1	1											601. From 13, report 1,2 DCE Total, 602. Total Xylenes Base Neutral Compounds, Total Petroleum Hydrocarbons
08	4/16/97	4/17/97	✓	AQ	ATB 704160417	2	2													601. From 13, report 1,2 DCE Total, 602. Total Xylenes
09																				
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RELINQUISHED BY <i>[Signature]</i>	COMPANY <i>ETL</i>	DATE <i>4/16/97</i>	TIME <i>9:20</i>	RECEIVED BY <i>[Signature]</i>	COMPANY <i>ETL</i>	DATE <i>4-16-97</i>	TIME <i>9:20</i>
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY <i>[Signature]</i>	COMPANY <i>ETL</i>	DATE <i>4-17-97</i>	TIME <i>8:31</i>	RECEIVED BY <i>[Signature]</i>	COMPANY <i>ETL</i>	DATE <i>4/17/97</i>	TIME <i>8:31</i>

COMMENTS ** Extra bottles filled for MS/MSD*

IBM Mail Hudson Valley - special Deliverable Package requested. see attached list.

All Samples received intact and in good condition Temp Blank 4°C 4/17/97 8:30am & 4/18/97



EnviroTest Laboratories Inc.

315 Fullerton Avenue, Newburgh, NY 12550 (914) 562-0890 FAX (914) 562-0841

CHAIN OF CUSTODY RECORD

CUSTOMER NAME <i>General Motor Science Corp</i>	
ADDRESS <i>2 Sunnyside Ct. Suite 204</i>	
CITY, STATE, ZIP <i>Fishkill NY 12524</i>	
NAME OF CONTACT <i>D. Bessone</i>	PHONE NO. <i>914-896-0288 ext 14</i>
PROJECT LOCATION <i>IBM P&L Airport</i>	
PROJECT NUMBER / PO NO. <i>B3201301 Bessone</i>	

REPORT TYPE STANDARD ☐ ISRA ☒ NYASP A ☐ B ☐ CLP ☐ OTHER <i>see attached list</i>	TURNAROUND ☒ NORMAL _____ ☐ QUICK _____ ☐ VERBAL _____	LABORATORY # (Lab Use Only) 171955 TEMP BLANK ☐ Y ☒ N PH CHECK ☐ Y ☒ N REVIEWED BY: <i>[Signature]</i>
		NY PUBLIC WATER SUPPLIES SOURCE ID _____ ELRP TYPE _____ FEDERAL ID _____

ETL#	SAMPLING DATE	TIME AM PM	COMP GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass	HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed	Liter Plastic Nitric Acid	Liter Plastic Sodium Hydroxide	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Amber	2 oz Qorpak	ANALYSIS REQUESTED
01	4/17/97	10:07	✓	AD	A0028570417G	3	2		1									601. From 113, report 1.2 DCE Total Base Neutral Compounds
02	4/17/97	13:40	✓	AD	AFB A27G70417	2	2											601. From 113, report 1.2 DCE Total
03	4/17/97	13:42	✓	AD	A0027G70417G	2	2											601. From 113, report 1.2 DCE Total
04	4/17/97	12:44	✓	AD	AEG70417WLID	2	2											601. From 113, report 1.2 DCE Total 602. Total Xylenes
05	4/17/97	13:23	✓	AD	ACD27G70417G	2	2											601. From 113, report 1.2 DCE Total
06	4/17/97	14:11	✓	AD	A0020G70417G	3	2		1									601. From 113, report 1.2 DCE Total Base Neutral Compounds
07	4/17/97	15:39	✓	AD	A0001G70417G	2	2											601. From 113, report 1.2 DCE Total
08	4/17/97	15:03	✓	AD	AEG70417BALR	2	2											601. From 113, report 1.2 DCE Total 602. Total Xylenes
09	4/17/97	16:46	✓	AD	A0026G70417G	3	2		1									601. From 113, report 1.2 DCE Total. BNC's.
10	4/17/97	18:07	✓	AD	A0044G70417G	3	2		1									601. From 113, report 1.2 DCE Total. 602. Total Xylenes Base Neutral Compounds
11	4/17/97	18:17	✓	AD	ATEAG70417G	2	2											601. From 113, report 1.2 DCE Total 603. Total Xylenes

RELINQUISHED BY <i>Paul Toller</i>	COMPANY ET	DATE <i>4/16/97</i>	TIME <i>9:20</i>	RECEIVED BY <i>Andrew F. Nishel</i>	COMPANY ET	DATE <i>4-16-97</i>	TIME <i>9:20</i>
RELINQUISHED BY	COMPANY	DATE	TIME <i>AFN</i>	RECEIVED BY	COMPANY	DATE	TIME <i>AFN</i>
RELINQUISHED BY	COMPANY	DATE	TIME <i>AFN</i>	RECEIVED BY	COMPANY	DATE	TIME <i>AFN</i>
RELINQUISHED BY <i>Andrew F. Nishel</i>	COMPANY ET	DATE <i>4-18-97</i>	TIME <i>8:33</i>	RECEIVED BY <i>Paul Toller</i>	COMPANY ET	DATE <i>4/18/97</i>	TIME <i>8:33 AM</i>

COMMENTS

IBM Hudson Valley - special Deliverable Package requested. See attached list.
All samples received intact and in good condition - temp blank at YPC. P.L. 4/18/97

000004

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Lab No.: 171911

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK23	99		96	99	0
02	A0043S70416G	102		97	99	0
03	A0042S70416G	106		98	101	0
04	A0042S70416DDL	107		103	104	0
05	A0040S70416GDL	103		103	103	0
06	A0040S70416D	102		100	103	0
07	A0041S70416G	96		95	100	0
08	A0036S70416G	98		100		0
09	VBLKSPK23	107		99	101	0
10	A0040S70416GMS	115		105	106	0
11	A0040S70416GMSD	106		101	105	0
12	ATB704160417	98		94	102	0
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29						
30						

SMC1 = Dibromofluoromethane
SMC2 = 2-Bromo-1-chloropropane
SMC3 = 4-Bromofluorobenzene HALL
SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
(75-117)
(72-125)
(71-116)
(75-120)

- # Column to be used to flag recovery values
* Values outside of contract required QC limits
D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Lab No.: 171911

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK24	99		104	101	0
02	A0042S70416D	112		104	104	0
03	A0040S70416G	114		112	117	0
04						
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30						

SMC1 = Dibromofluoromethane
SMC2 = 2-Bromo-1-chloropropane
SMC3 = 4-Bromofluorobenzene HALL
SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
(75-117)
(72-125)
(71-116)
(75-120)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK24	99		104	101	0
02	A0028S70417G	107		106		0
03	AFBA27G70417	106		109		0
04	A0027G70417G	103		106		0
05	AEQ70417WLID	105		110	103	0
06	A0027S70417G	102		104		0
07	A0020S70417G	106		110		0
08	A0001S70417G	106		107		0
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QC LIMITS

SMC1 = Dibromofluoromethane
SMC2 = 2-Bromo-1-chloropropane
SMC3 = 4-Bromofluorobenzene HALL
SMC4 = 4-Bromofluorobenzene PID

(74-136)
(64-126)
(68-126)
(67-120)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK25	100		100	99	0
02	A0026S70417G	103		100		0
03	VBLKSPK25	112		105	104	0
04	A0027S70417GMS	111		100	99	0
05	A0027S70417GMSD	110		98	98	0
06	A0044S70417G	96		89	96	0
07	AEQ70417BALR	97		96	97	0
08	ATBA04170418	99		99	100	0
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SMC1 = Dibromofluoromethane
SMC2 = 2-Bromo-1-chloropropane
SMC3 = 4-Bromofluorobenzene HALL
SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
(74-136)
(64-126)
(68-126)
(67-120)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Matrix Spike - Client Sample No.: A0040S70416G

Matrix Spike - ETL Sample No.: 171911-04

Instrument ID: 5890N

Date of Analysis: 4/23/97

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	1	10	87	(60-138)
Trichloroethene	10	2	12	95	(65-130)
Methylene Chloride	10	0	10	102	(69-129)
Tetrachloroethene	10	2	11	98	(68-139)
Chlorobenzene(1)	20	0	21	104	(72-135)

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MS % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	10	10	89	3	22 (60-138)
Trichloroethene	10	12	99	5	24 (65-130)
Methylene Chloride	10	10	104	2	21 (69-129)
Tetrachloroethene	10	11	94	3	21 (68-139)
Chlorobenzene(1)	20	20	100	4	21 (72-135)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethane co-elute

Comments: _____

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Matrix Spike - Client Sample No.: A0040S70416G

Matrix Spike - ETL Sample No.: 171911-04

Instrument ID: 5890N

Date of Analysis: 4/23/97

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
Benzene	10	0	10	101	(63-135)
Toluene	10	13	23	96	(63-147)
Ethylbenzene	10	0	14	138 *	(63-137)
Xylenes, total	30	33	63	100	(53-147)
1,4-dichlorobenzene	10	0	167	1670 *	(61-139)
1,3-dichlorobenzene	10	0	11	106	(68-133)
1,2-dichlorobenzene	10	0	120	1197 *	(64-120)

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Benzene	10	10	101	0	22 (63-135)
Toluene	10	23	99	3	24 (63-147)
Ethylbenzene	10	13	135	2	21 (63-137)
Xylenes, total	30	62	96	4	21 (53-147)
1,4-dichlorobenzene	10	166	1663 *	0	21 (61-139)
1,3-dichlorobenzene	10	11	109	3	21 (68-133)
1,2-dichlorobenzene	10	117	1166 *	3	21 (64-120)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

(1) 1,2-dichlorobenzene and n-butylbenzene co-elute

Comments: _____

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Matrix Spike - Client Sample No.: A0026S70417G

Matrix Spike - ETL Sample No.: 171955-09

Instrument ID: 5890N

Date of Analysis: 4/26/97

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	0	9	89	(60-138)
Trichloroethene	10	0	10	101	(65-130)
Methylene Chloride	10	0	10	100	(69-129)
Tetrachloroethene	10	0	10	100	(68-139)
Chlorobenzene(1)	20	0	21	104	(72-135)

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MS % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	10	8	84	6	22 (60-138)
Trichloroethene	10	11	106	5	24 (65-130)
Methylene Chloride	10	10	100	0	21 (69-129)
Tetrachloroethene	10	10	100	0	21 (68-139)
Chlorobenzene(1)	20	21	104	1	21 (72-135)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

(1) Chlorobenzene & 1,1,1,2-Tetrachloroethene co-elute

Comments: _____

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EnviroTest LabsClient Name: Groundwater Sciences Corp.Matrix Spike - Client Sample No.: A0026S70417GMatrix Spike - ETL Sample No.: 171955-09Instrument ID: 5890NDate of Analysis: 4/26/97

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
Benzene	10	0	10	96	(63-135)
Toluene	10	0	10	98	(63-147)
Ethylbenzene	10	0	9	94	(63-137)
Xylenes, total	30	0	29	97	(53-147)
1,4-dichlorobenzene	10	0	10	102	(61-139)
1,3-dichlorobenzene	10	0	10	99	(68-133)
1,2-dichlorobenzene	10	0	10	103	(64-120)

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MS % REC #	% RPD #	QC LIMITS RPD REC.
Benzene	10	10	97	1	22 (63-135)
Toluene	10	10	99	1	24 (63-147)
Ethylbenzene	10	9	94	1	21 (63-137)
Xylenes, total	30	29	96	2	21 (53-147)
1,4-dichlorobenzene	10	11	108	6	21 (61-139)
1,3-dichlorobenzene	10	11	110	10	21 (68-133)
1,2-dichlorobenzene	10	11	106	3	21 (64-120)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Blank Spike - Client Sample No.: VBLKSPK23

Instrument ID: 5890N Blank Spike-ETL Sample No. VBLKSPK23

Date of Analysis: 4/23/97

COMPOUND	SPIKE ADDED (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	9	93	(60-138)
Trichloroethene	10	10	100	(65-130)
Methylene Chloride	10	10	96	(69-129)
Tetrachloroethene	10	10	102	(68-139)
Chlorobenzene(1)	20	20	102	(72-135)

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethane co-elute

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs

Blank Spike - Client Sample No.: VBLKSPK23

Blank Spike - ETL Sample No.: VBLKSPK23

Instrument ID: 5890N

Date of Analysis: 4/23/97

COMPOUND	SPIKE ADDED (ug/l)	Blank Spike CONCENTRATION (ug/l)	BS % REC #	QC. LIMITS REC.
Benzene	10	10	99	(63-135)
Toluene	10	10	102	(63-147)
Ethylbenzene	10	10	101	(63-137)
Xylenes, total	30	30	102	(53-147)
1,4-dichlorobenzene	10	10	102	(61-139)
1,3-dichlorobenzene	10	11	108	(68-133)
1,2-dichlorobenzene	10	10	100	(64-120)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

(1) 1,2-dichlorobenzene and n-butylbenzene co-elute

Comments: _____

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Blank Spike - Client Sample No.: VLKSPK25

Instrument ID: 5890N Blank Spike-ETL Sample No. VLKSPK25

Date of Analysis: 4/25/97

COMPOUND	SPIKE ADDED (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	9	89	(60-138)
Trichloroethene	10	10	100	(65-130)
Methylene Chloride	10	10	96	(69-129)
Tetrachloroethene	10	10	101	(68-139)
Chlorobenzene(1)	20	21	105	(72-135)

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethane co-elute

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs

Blank Spike - Client Sample No.: VBLKSPK25

Blank Spike - ETL Sample No.: VBLKSPK25

Instrument ID: 5890N

Date of Analysis: 4/25/97

COMPOUND	SPIKE ADDED (ug/l)	Blank Spike CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
Benzene	10	10	96	(63-135)
Toluene	10	10	99	(63-147)
Ethylbenzene	10	10	96	(63-137)
Xylenes, total	30	31	103	(53-147)
1,4-dichlorobenzene	10	11	106	(61-139)
1,3-dichlorobenzene	10	14	141 *	(68-133)
1,2-dichlorobenzene	10	10	101	(64-120)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK23

Lab Name: EnviroTest Labs

Contract: 88013.01

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/23/97

Matrix: Water

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	A0043S70416G	171911-01
02	A0042S70416G	171911-02
03	A0042S70416D	171911-03
04	A0040S70416GDL	171911-04DL
05	A0040S70416DDL	171911-05DL
06	A0041S70416G	171911-06
07	A0036S70416G	171911-07
08	VBLKSPK23	VBLKSPK23
09	A0040S70416GMS	171911-04MS
10	A0040S70416GMSD	171911-04MSD
11	ATB704160417	171911-08
12		
13		
14		
15		
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25		
26		
27		
28		
29		
30		

COMMENTS:

FORM IV VOA

423HF1A

6/96

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK24

Lab Name: EnviroTest Labs

Contract: 88013.01

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/24/97

Matrix: Water

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	A0040S70416G	171911-04
02	A0040S70416D	171911-05
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
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25		
26		
27		
28		
29		
30		

COMMENTS:

FORM IV VOA

424HF1A

6/96

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK24

Lab Name: EnviroTest Labs

Client Name: Grondwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/24/97

Matrix: Water

Method: 601

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	A0028S70417G	171955-01
02	AFBA27G70417	171955-02
03	A0027G70417G	171955-03
04	AEQ70417WLID	171955-04
05	A0027S70417G	171955-05
06	A0020S70417G	171955-06
07	A0001S70417G	171955-07
08		
09		
10		
11		
12		
13		
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29		
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COMMENTS:

FORM IV VOA

424HF4A

6/96

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK24

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/24/97

Matrix: Water

Method: 602

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	AEQ70417WLID	171955-04
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
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29		
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK25

Lab Name: EnviroTest Labs

Client Name: Grondwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/25/97

Matrix: Water

Method: 601

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	A0026S70417G	171955-09
02	VBLKSPK25	VBLKSPK25
03	A0027S70417GMS	171955-05MS
04	A0027S70417GMS	171955-05MSD
05	A0044S70417G	171955-10
06	AEQ70417BALR	171955-08
07	ATBA04170418	171955-11
08		
09		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
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21		
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26		
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28		
29		
30		

COMMENTS:

FORM IV VOA

425HF4A

6/96

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBK25

Lab Name: EnviroTest Labs

Client Name: Grondwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/25/97

Matrix: Water

Method: 602

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	VBKSPK25	VBKSPK25
02	A0027S70417GMS	171955-05MS
03	A0027S70417GMS	171955-05MSD
04	A0044S70417G	171955-10
05	AEQ70417BALR	171955-08
06	ATBA04170418	171955-11
07		
08		
09		
10		
11		
12		
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COMMENTS:

FORM IV VOA

425HF4A2

6/96

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	20S70417G	56	70	44					54	0
02	20S70417GDL	72	66	36					60	0
03	26S70417G	92	86	52					68	0
04	28S70417G	38	34*	58					32	1
05	36S70416G	66	74	48					68	0
06	36S70416GDL	64	74	36					72	0
07	40S70416G	2*	76	42					68	1
08	40S70416GDL	0D	64	30*					66	1
09	40S70416GMS	8*	166*	84					136*	3
10	40S70416GMSD	18*	166*	84					142*	3
11	41S70416G	86	82	54					70	0
12	42S70416G	78	82	54					70	0
13	42S70416GDL	78	78	46					72	0
14	43S70416G	86	86	52					68	0
15	44S70417G	84	80	28*					62	1
16	SBLK90	84	82	50					62	0
17	S BSPK90	88	84	56					66	0
18										
19										
20										
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slight
cut

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-114)
 S2 (FBP) = 2-Fluorobiphenyl (43-116)
 S3 (TPH) = Terphenyl-d14 (33-141)
 S4 (PHL) = Phenol-d5 (10-110)
 S5 (2FP) = 2-Fluorophenol (21-110)
 S6 (TBP) = 2,4,6-Tribromophenol (10-123)
 S7 (2CP) = 2-Chlorophenol-d4 (33-110) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (16-110) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142 Case No.: #####

SAS No.: #####

SDG No.: GS911

Matrix Spike - EPA Sample No.: 40S70416G

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,4-Dichlorobenzene	100.	0.	75.	75	36- 97
N-Nitroso-di-n-prop. (1)	100.	0.	110.	110	41-116
1,2,4-Trichlorobenzene	100.	0.	84.	84	39- 98
Acenaphthene	100.	0.	96.	96	46-118
2,4-Dinitrotoluene	100.	0.	0.	0*	24- 96
Pyrene	100.	0.	98.	98	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
=====	=====	=====	=====	=====	=====
1,4-Dichlorobenzene	100.	81.	81	5	28 36- 97
N-Nitroso-di-n-prop. (1)	100.	110.	110	7	38 41-116
1,2,4-Trichlorobenzene	100.	91.	91	7	28 39- 98
Acenaphthene	100.	100.	100	6	31 46-118
2,4-Dinitrotoluene	100.	3.	3*	200*	38 24- 96
Pyrene	100.	100.	100	6	31 26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 6 outside limits

Spike Recovery: 2 out of 12 outside limits

COMMENTS:

WATER SEMI- VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs

Blank Spike - Client Sample No.: SBSPK90

Blank Spike - ETL Sample No.: SBSPK90

Instrument ID: 5972-2

Date of Analysis: 4/23/97

COMPOUND	SPIKE ADDED (ug/l)	Blank Spike CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
1,4-Dichlorobenzene	50	39	78	(36-97)
N-Nitroso-di-n-prop.	50	54	108	(41-116)
1,2,4-Trichlorobenzene	50	43	85	(39-98)
Acenaphthene	50	50	101	(46-118)
2,4-Dinitrotoluene	50	52	105 *	(24-96)
Pyrene	50	59	118	(26-127)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK90

Lab Name: ENVIROTEST LABS INC Contract: 88013.01

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: GS911

Lab File ID: S5377 Lab Sample ID: SBLK90

Instrument ID: 5972-2 Date Extracted: 4/18/97

Matrix: (soil/water) WATER Date Analyzed: 4/23/97

Level: (low/med) LOW Time Analyzed: 1220

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	20S70417G	171955-06	S5385	4/23/97
02	20S70417GDL	171955-06DL	S5404	4/24/97
03	26S70417G	171955-09	S5386	4/23/97
04	28S70417G	171955-01	S5384	4/23/97
05	36S70416G	171911-07	S5383	4/23/97
06	36S70416GDL	171911-07DL	S5403	4/24/97
07	40S70416G	171911-04	S5381	4/23/97
08	40S70416GDL	171911-04DL	S5402	4/24/97
09	40S70416GMS	171911-04MS	S5388	4/23/97
10	40S70416GMSD	171911-04MSD	S5389	4/23/97
11	41S70416G	171911-06	S5382	4/23/97
12	42S70416G	171911-02	S5380	4/23/97
13	42S70416GDL	171911-02DL	S5401	4/24/97
14	43S70416G	171911-01	S5379	4/23/97
15	44S70417G	171955-10	S5387	4/23/97
16	SBSPK90	SBSPK90	S5378	4/23/97
17				
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COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Lab File ID: DFTPP661

DFTPP Injection Date: 4/21/97

Instrument ID: 5972-2

DFTPP Injection Time: 0910

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	34.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	52.2
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	25.0 - 75.0% of mass 198	46.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	22.5
365	Greater than 0.75% of mass 198	2.10
441	Present, but less than mass 443	10.7
442	40.0 - 110.0% of mass 198	65.9
443	15.0 - 24.0% of mass 442	12.7 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD020	SSTD020	ICS399	4/21/97	0947
02	SSTD050	SSTD050	ICS400	4/21/97	1105
03	SSTD080	SSTD080	ICS401	4/21/97	1141
04	SSTD120	SSTD120	ICS402	4/21/97	1227
05	SSTD160	SSTD160	ICS403	4/21/97	1304
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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22					

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Lab File ID: DFTPP664

DFTPP Injection Date: 4/23/97

Instrument ID: 5972-2

DFTPP Injection Time: 1120

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	56.3
68	Less than 2.0% of mass 69	0.4 (0.5) 1
69	Mass 69 relative abundance	74.9
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	25.0 - 75.0% of mass 198	55.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	19.8
365	Greater than 0.75% of mass 198	1.50
441	Present, but less than mass 443	8.5
442	40.0 - 110.0% of mass 198	56.4
443	15.0 - 24.0% of mass 442	10.8 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD05001	SSTD005001	CCS598	4/23/97	1140
02	SBLK90	SBLK90	S5377	4/23/97	1220
03	SBSPK90	SBSPK90	S5378	4/23/97	1257
04	43S70416G	171911-01	S5379	4/23/97	1334
05	42S70416G	171911-02	S5380	4/23/97	1410
06	40S70416G	171911-04	S5381	4/23/97	1447
07	41S70416G	171911-06	S5382	4/23/97	1600
08	36S70416G	171911-07	S5383	4/23/97	1636
09	28S70417G	171955-01	S5384	4/23/97	1713
10	20S70417G	171955-06	S5385	4/23/97	1750
11	26S70417G	171955-09	S5386	4/23/97	1827
12	44S70417G	171955-10	S5387	4/23/97	1903
13	40S70416GMS	171911-04MS	S5388	4/23/97	1940
14	40S70416GMSD	171911-04MSD	S5389	4/23/97	2017
15					
16					
17					
18					
19					
20					
21					
22					

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Lab File ID: DFTPP665

DFTPP Injection Date: 4/24/97

Instrument ID: 5972-2

DFTPP Injection Time: 1352

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	50.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	69.7
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	25.0 - 75.0% of mass 198	53.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	21.2
365	Greater than 0.75% of mass 198	2.00
441	Present, but less than mass 443	9.5
442	40.0 - 110.0% of mass 198	63.1
443	15.0 - 24.0% of mass 442	12.0 (19.0) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD05002	SSTD05002	CCS599	4/24/97	1412
02	42S70416GDL	171911-02DL	S5401	4/24/97	1807
03	40S70416GDL	171911-04DL	S5402	4/24/97	1844
04	36S70416GDL	171911-07DL	S5403	4/24/97	1920
05	20S70417GDL	171955-06DL	S5404	4/24/97	1956
06					
07					
08					
09					
10					
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8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Lab File ID: (Standard): CCS598

Date Analyzed: 4/23/97

Instrument ID: 5972-2

Time Analyzed: 1140

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	325498	7.07	1044421	9.46	451693	12.96
UPPER LIMIT	650996	7.57	2088842	9.96	903386	13.46
LOWER LIMIT	162749	6.57	522211	8.96	225847	12.46
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 SBLK90	327085	7.06	1036106	9.45	432874	12.93
02 SBSPK90	334343	7.06	1064643	9.45	468973	12.94
03 43S70416G	350385	7.06	1156084	9.45	482923	12.94
04 42S70416G	364837	7.06	1188068	9.46	514905	12.94
05 40S70416G	319346	7.06	946855	9.50	499363	12.93
06 41S70416G	314723	7.06	1026793	9.45	453267	12.93
07 36S70416G	293856	7.06	1020842	9.46	549800	12.96
08 28S70417G	327554	7.06	1092392	9.45	462429	12.93
09 20S70417G	334558	7.05	1095300	9.46	468287	12.92
10 26S70417G	310677	7.05	984525	9.44	409176	12.93
11 44S70417G	354567	7.05	1144282	9.44	465991	12.93
12 40S70416GMS	328244	7.06	1077802	9.47	466959	12.94
13 40S70416GMSD	309012	7.06	997767	9.47	476790	12.94
14						
15						
16						
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20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.

* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Lab File ID: (Standard): CCS598

Date Analyzed: 4/23/97

Instrument ID: 5972-2

Time Analyzed: 1140

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	604629	15.94	444078	21.28	317335	23.94
UPPER LIMIT	1209258	16.44	888156	21.78	634670	24.44
LOWER LIMIT	302315	15.44	222039	20.78	158668	23.44
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 SBLK90	555116	15.93	371843	21.27	264812	23.93
02 SBSPK90	664591	15.92	433106	21.26	280315	23.92
03 43S70416G	594143	15.92	461421	21.26	334419	23.92
04 42S70416G	612633	15.92	352294	21.26	259525	23.92
05 40S70416G	790829	15.93	501486	21.26	312632	23.92
06 41S70416G	616641	15.93	411252	21.27	262664	23.92
07 36S70416G	893703	15.94	449720	21.26	272410	23.92
08 28S70417G	667875	15.92	476822	21.26	309807	23.92
09 20S70417G	638871	15.92	420717	21.26	269417	23.92
10 26S70417G	504390	15.92	366790	21.25	238023	23.91
11 44S70417G	525549	15.92	425324	21.26	318745	23.92
12 40S70416GMS	611354	15.92	407413	21.26	283998	23.92
13 40S70416GMSD	691517	15.92	455096	21.26	281948	23.92
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IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.

* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Lab File ID: (Standard): CCS599

Date Analyzed: 4/24/97

Instrument ID: 5972-2

Time Analyzed: 1412

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	546473	6.84	1695755	9.22	648934	12.70
UPPER LIMIT	1092946	7.34	3391510	9.72	1297868	13.20
LOWER LIMIT	273237	6.34	847878	8.72	324467	12.20
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 42S70416GDL	771741	6.84	2594158	9.22	1142538	12.70
02 40S70416GDL	620892	6.83	2105273	9.22	1003837	12.69
03 36S70416GDL	645471	6.83	2214111	9.21	1046431	12.70
04 20S70417GDL	687699	6.83	2281198	9.22	1004602	12.69
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20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROTEST LABS INC

Contract: 88013.01

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: GS911

Lab File ID: (Standard): CCS599

Date Analyzed: 4/24/97

Instrument ID: 5972-2

Time Analyzed: 1412

	IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1069714	15.68	825222	21.01	645672	23.66
UPPER LIMIT	2139428	16.18	1650444	21.51	1291344	24.16
LOWER LIMIT	534857	15.18	412611	20.51	322836	23.16
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 42S70416GDL	1422508	15.68	858812	21.01	751791	23.67
02 40S70416GDL	1233596	15.68	749815	21.00	668821	23.67
03 36S70416GDL	1328858	15.68	787510	21.00	625229	23.66
04 20S70417GDL	1328636	15.68	907436	21.01	789202	23.67
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20						
21						
22						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside of QC limits with an asterisk.

* Values outside of QC limits.

May 19, 1997

Groundwater Sciences Corp.
2 Summit Court, Suite 204
Fishkill, NY 12524

Attn.: Ms. Dorothy Bergmann

SUBJECT: CASE NARRATIVE, 88013.01,
ETL NUMBERS 171993 & 172063.

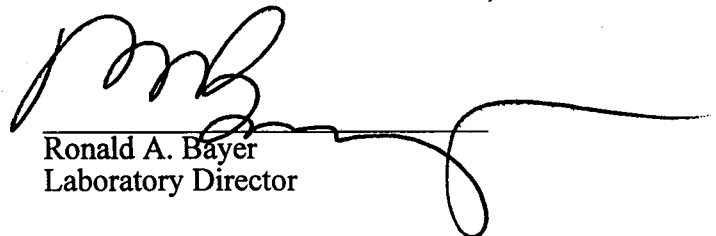
Dear Ms. Bergmann:

Enclosed are the analytical results for the 88013.01 project. The samples were received on April 21 & 22, 1997 and were prepared and analyzed according to EPA established methodologies and protocols. The reports were completed according to contract specific reporting requirements.

Your evaluation of the enclosed data should incorporate the use of the attached case narrative.

I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

ENVIROTEST LABORATORIES, INC.



Ronald A. Bayer
Laboratory Director

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QC Summary
Sample Data
Standard Data
Raw QC Data

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140-175

INORGANIC DATA

Sample Data
QC Data
Raw Data

176-179
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183-193

CASE NARRATIVE
Client: Groundwater Sciences Corp.
Date: 5/19/97
ETL Lab No. 171993 and 172063

Volatile Organics

Sample Dilution

Matrix Spike/Matrix Spike Duplicate/Blank Spike

The percent recovery for chlorobenzene in sample number A0023R70421GMSD (172063-01MSD) falls outside the acceptable limits.

Other

The methylene chloride and 1,1,1-trichloroethene identified in several samples in laboratory numbers 171993 and 172063 has been determined to be laboratory artifacts.

Calibrations

The initial calibration of 4/29/97 contains the indicated parameters that exceed the EnviroTest established control limit of $\pm 20\%$ RSD:

tetrachloroethene (37.7%) and chlorobenzene/1,1,1,2-tetrachloroethane (38.5)

The following continuing calibrations contain the indicated parameters that exceed the EnviroTest established control limit of $\pm 20\%$ difference:

Continuing Calibration 4/29/97: tetrachloroethene (21.7%)

Continuing Calibration 5/2/97: tetrachloroethene (23.2%) and chlorobenzene/1,1,1,2-tetrachloroethane (21.6%)

TPH 418.1

Matrix Spike/Matrix Spike Duplicate

There was insufficient sample received to prepare an actual matrix spike/matrix spike duplicate for laboratory number 171911. The MS/MSD was prepared using laboratory tap water.

000001



EnviroTest Laboratories inc.

315 Fullerton Avenue, Newburgh, NY 12550 (914) 562-0890 FAX (914) 562-0841

CHAIN OF CUSTODY RECORD

CUSTOMER NAME <i>Groundwater Sciences Corp</i>	
ADDRESS <i>2 Summit Ct. Ste 204</i>	
CITY, STATE, ZIP <i>Fishkill NY 12524</i>	
NAME OF CONTACT <i>D Bergmann</i>	PHONE NO. <i>896.0288 Ext 14</i>
PROJECT LOCATION <i>0953 Airport Park</i>	
PROJECT NUMBER / PO NO. <i>88013 01- Routine</i>	

REPORT TYPE STANDARD ☐ ISRA ☒ NYASP A ☐ B ☐ CLP ☐ OTHER <i>see attached list</i>	TURNAROUND ☒ NORMAL _____ ☐ QUICK _____ ☐ VERBAL _____	LABORATORY # (Lab Use Only) <i>171993</i> TEMP BLANK ☐ Y ☐ N PH CHECK ☐ Y ☐ N REVIEWED BY <i>[Signature]</i>
--	--	---

NY PUBLIC WATER SUPPLIES	
SOURCE ID _____	
ELRP TYPE _____	
FEDERAL ID _____	

ETL#	SAMPLING DATE		TIME	COMP	GRAB	MATRIX	CLIENT I.D.	Total of Containers	40ml Glass	HCL	Liter Sulfuric	Liter Organic	Liter P Nitric	Liter Sodium	Liter P	Liter Sulfuric	250ml	125ml Ster	250ml	2 oz. Qorpak	FEDERAL ID	ANALYSIS REQUESTED
	AM	PM																				
01	4/16/97	1235			X	AG	AG022670418G	2	2													GC rep 1,2 DCE total From 113
02	4/16/97	1109			X	AG	AG022670418G	2	2													GC rep 1,2 DCE total From 113
03	4/16/97	1310			X	AG	AG022670418G	2	2													GC rep 1,2 DCE total From 113
04	4/16/97	1203			X	AG	AG011570418G	2	2													GC rep 1,2 DCE total From 113
05	4/16/97	1454			X	AG	AG022670418G	2	2													GC rep 1,2 DCE total From 113
06	4/16/97	1542			X	AG	AG014370418G	2	2													GC rep 1,2 DCE total From 113
07	4/16/97				X	AQ	ATB704180419	2	2													GC rep 1,2 DCE total From 113
LAB																						

RELINQUISHED BY <i>[Signature]</i>	COMPANY <i>ES</i>	DATE <i>4/16/97</i>	TIME <i>9:20</i>	RECEIVED BY <i>[Signature]</i>	COMPANY <i>ES</i>	DATE <i>4-16-97</i>	TIME <i>9:20</i>
RELINQUISHED BY _____	COMPANY <i>ES</i>	DATE _____	TIME _____	RECEIVED BY _____	COMPANY <i>ES</i>	DATE _____	TIME _____
RELINQUISHED BY _____	COMPANY <i>ES</i>	DATE _____	TIME _____	RECEIVED BY _____	COMPANY <i>ES</i>	DATE _____	TIME _____
RELINQUISHED BY <i>[Signature]</i>	COMPANY <i>ES</i>	DATE <i>4-21-97</i>	TIME <i>9:00</i>	RECEIVED BY <i>[Signature]</i>	COMPANY <i>ES</i>	DATE <i>4-21-97</i>	TIME <i>9:00</i>

COMMENTS ** IBM and Hudson Valley Special Deliverables package requested*

ALL SAMPLES RECEIVED INTACT + IN GOOD CONDITION WITH A TEMP OF 4°C JPM 4/21/97 9:00

200000



EnviroTest Laboratories inc.

315 Fullerton Avenue, Newburgh, NY 12550 (914) 562-0890 FAX (914) 562-0841

CHAIN OF CUSTODY RECORD

CUSTOMER NAME <u>Groundwater Sciences Corp.</u>	
ADDRESS <u>2 Summit Ct. Ste 204</u>	
CITY, STATE, ZIP <u>Fishkill NY 12524</u>	
NAME OF CONTACT <u>D. Bergman</u>	PHONE NO. <u>896-0222 Ext 114</u>
PROJECT LOCATION <u>B. 953 - Fox - Airport</u>	
PROJECT NUMBER / PO NO. <u>88013.01 - ROUTINE</u>	

REPORT TYPE	TURNAROUND
STANDARD ☐ ISRA ☒	☒ NORMAL
NYASP A ☐ B ☐ CLP ☐	☐ QUICK
OTHER <u>See attached list</u>	☐ VERBAL

LABORATORY # (Lab Use Only) <u>172063</u>
TEMP BLANK <u>Y</u> ☒ N ☐
PH CHECK <u>Y</u> ☒ N ☐
REVIEWED BY <u>[Signature]</u>
NY PUBLIC WATER SUPPLIES
SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

ETL#	SAMPLING DATE	TIME	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed	Liter Plastic Nitric Acid	Liter Plastic Sodium Hydroxide	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Amber	2 oz. Qorpak	ANALYSIS REQUESTED
01	4/6/97	1450	✓	AG	AG023R70421G	✓	2	2										601 rep 1.2 DCE total From 113
02	4/6/97	1450	✓	AG	AG045G70421G	✓	2	2										601 rep 1.2 DCE total From 113
03	4/21/97	1208	✓	AG	AG0230G70421G	✓	2	2										601 rep 1.2 DCE total From 113
04	4/21/97	1450	✓	AG	AG021R70421G	✓	2	2										601 rep 1.2 DCE total From 113
05	4/21/97	1520	✓	AG	AG024R70421G	✓	2	2										601 rep 1.2 DCE total From 113
06	4/21/97	1518	✓	AG	AG021R70421G	✓	1		1									TPH by 418.1
07	4/21/97	1548	✓	AG	AG037B70421G	✓	1		1									TPH by 418.1
08	4/21/97	1423	✓	AG	AG054R70421G	✓	1		1									TPH by 418.1
09	4/6/97	—	✓	AG	ATB704210422	✓	2	2										601 rep 1.2 DCE total From 113
10	4/6/97	947	✓	AG	AG021G70422G	✓	2	2										601 rep 1.2 DCE total From 113
11	4/21/97	942	✓	AG	AFB21G70422G	✓	2	2										601 rep 1.2 DCE total From 113
12	4/21/97	1044	✓	AG	AG021R70422G	✓	2	2										601 rep 1.2 DCE total From 113

RELINQUISHED BY <u>Paul Felber</u>	COMPANY <u>ED</u>	DATE <u>4/16/97</u>	TIME <u>430</u>	RECEIVED BY <u>Chm Shannon</u>	COMPANY <u>CSC</u>	DATE <u>4.16.97</u>	TIME <u>9:20</u>
RELINQUISHED BY	COMPANY <u>CJS</u>	DATE	TIME	RECEIVED BY <u>CJS</u>	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY <u>CJS</u>	DATE	TIME	RECEIVED BY <u>CJS</u>	COMPANY	DATE	TIME
RELINQUISHED BY <u>Chm Shannon</u>	COMPANY <u>CSC</u>	DATE <u>4.21.97</u>	TIME <u>1530</u>	RECEIVED BY <u>[Signature]</u>	COMPANY <u>En</u>	DATE <u>4/22/97</u>	TIME <u>15:30</u>

COMMENTS 1. ISM Mid-Hudson Valley Special Distribution Agreement requested

All samples received intact and in good condition Temp Blank 4000 4/22/97 15:30

000003



315 Fullerton Avenue, Newburgh, NY 12550 (914) 562-0890 FAX (914) 562-0841

CHAIN OF CUSTODY RECORD

CUSTOMER NAME	
Groundwater Sciences Corp	
ADDRESS	
2 Summit Ct. Ste 204	
CITY, STATE, ZIP	
Fishkill NY 12524	
NAME OF CONTACT	PHONE NO.
D. Bergmann	896 0282 Ext 14
PROJECT LOCATION	
B953 Post Airport	
PROJECT NUMBER / PO NO.	
88013.01 - Route	

REPORT TYPE STANDARD ☐ ISRA ☒ NYASP A ☐ B ☐ CLP ☐ OTHER <u>See attached list</u>	TURNAROUND ☒ NORMAL _____ ☐ QUICK _____ ☐ VERBAL _____
--	--

LABORATORY # (Lab Use Only)	
73063	
TEMP BLANK	Y ☒ N ☐ 4/5/06
pH CHECK	Y ☒ N ☐ 4/5/06
REVIEWED BY: <i>[Signature]</i>	
NY PUBLIC WATER SUPPLIES	
SOURCE ID	_____
ELRP TYPE	_____
FEDERAL ID	_____

[illegible]

RELINQUISHED BY <i>Paul Walker</i>	COMPANY ER	DATE <i>4/16/97</i>	TIME <i>9:20</i>	RECEIVED BY <i>Chris...</i>	COMPANY GSC	DATE <i>4/16/97</i>	TIME <i>9:20</i>
RELINQUISHED BY _____	COMPANY CJS	DATE _____	TIME _____	RECEIVED BY _____	COMPANY CJS	DATE _____	TIME _____
RELINQUISHED BY _____	COMPANY CJS	DATE _____	TIME _____	RECEIVED BY _____	COMPANY CJS	DATE _____	TIME _____
RELINQUISHED BY <i>Chris...</i>	COMPANY GSC	DATE <i>4-22-97</i>	TIME <i>15:30</i>	RECEIVED BY <i>Chris...</i>	COMPANY ER	DATE <i>4/20/97</i>	TIME <i>15:30</i>

COMMENTS *TAMMATHURSON VALLEY Special Drilling Package Requested
All Samples Received intact And in good Condition Temp Blank < 40C Ju 4/22/97 15:30

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK26	102		106		0
02	A0026G70418G	106		97		0
03	A0006G70418G	107		105		0
04	A0025R70418G	106		106		0
05	A0011S70418G	106		96		0
06	A0021S70418G	103		109		0
07	A0014S70418G	105		101		0
08	ATB704180419	104		102		0
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29						
30						

SMC1 = Dibromofluoromethane
SMC2 = 2-Bromo-1-chloropropane
SMC3 = 4-Bromofluorobenzene HALL
SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
(74-136)
(64-126)
(68-126)
(67-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK28	87		82		0
02	VBLKSPK28	112		93		0
03	A0026G70418GMS	115		98		0
04	A0026G70418GMS	114		100		0
05						
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29						
30						

SMC1 = Dibromofluoromethane
 SMC2 = 2-Bromo-1-chloropropane
 SMC3 = 4-Bromofluorobenzene HALL
 SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
 (74-136)
 (64-126)
 (68-126)
 (67-120)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Lab No.: 172063

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK28	87		82		0
02	A0023R70421G	99		95		0
03	A0045G70421G	96		85		0
04	A0030G70421G	89		96		0
05	A0022R70421G	90		84		0
06	A0024R70421G	86		89		0
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SMC1 = Dibromofluoromethane
 SMC2 = 2-Bromo-1-chloropropane
 SMC3 = 4-Bromofluorobenzene HALL
 SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
 (75-117)
 (72-125)
 (71-116)
 (75-120)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Lab No.: 172063

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK29	101		98		0
02	ATB704210422	106		100		0
03	A0021G70422G	100		104		0
04	AFBA21G70422	110		112		0
05	A0021R70422G	103		106		0
06	A0003R70422G	108		108		0
07	VBLKSPK29	115		112		0
08	A0023R70421GMS	114		107		0
09	A0023R70421GMSD	113		115		0
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SMC1 = Dibromofluoromethane
SMC2 = 2-Bromo-1-chloropropane
SMC3 = 4-Bromofluorobenzene HALL
SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
(75-117)
(72-125)
(71-116)
(75-120)

- # Column to be used to flag recovery values
- * Values outside of contract required QC limits
- D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Lab No.: 172063

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK02	103		105		0
02	A0004G70422G	108		113		0
03						
04						
05						
06						
07						
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09						
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SMC1 = Dibromofluoromethane
 SMC2 = 2-Bromo-1-chloropropane
 SMC3 = 4-Bromofluorobenzene HALL
 SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
 (75-117)
 (72-125)
 (71-116)
 (75-120)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Matrix Spike - Client Sample No.: A0026G70418G

Matrix Spike - ETL Sample No.: 171993-01

Instrument ID: 5890N

Date of Analysis: 4/28/97

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	0	9	95	(60-138)
Trichloroethene	10	0	11	109	(65-130)
Methylene Chloride	10	0	11	113	(69-129)
Tetrachloroethene	10	0	11	110	(68-139)
Chlorobenzene(1)	20	0	22	112	(72-135)

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MS % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	10	9	95	0	22 (60-138)
Trichloroethene	10	11	108	2	24 (65-130)
Methylene Chloride	10	11	113	0	21 (69-129)
Tetrachloroethene	10	11	109	1	21 (68-139)
Chlorobenzene(1)	20	22	112	0	21 (72-135)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethene co-elute

Comments: _____

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Matrix Spike - Client Sample No.: A0023R70421G

Matrix Spike - ETL Sample No.: 172063-01

Instrument ID: HP 5890

Date of Analysis: 4/30/97

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	0	11	112	(60-138)
Trichloroethene	10	0	12	124	(65-130)
Methylene Chloride	10	0	12	125	(69-129)
Tetrachloroethene	10	0	12	124	(68-139)
Chlorobenzene(1)	20	0	26	131	(72-135)

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MS % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	10	11	109	2	22 (60-138)
Trichloroethene	10	13	129	4	24 (65-130)
Methylene Chloride	10	13	128	2	21 (69-129)
Tetrachloroethene	10	13	131	5	21 (68-139)
Chlorobenzene(1)	20	28	141 *	8	21 (72-135)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethene co-elute

Comments: _____

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Blank Spike - Client Sample No.: VBLKSPK28

Instrument ID: 5890N Blank Spike-ETL Sample No. VBLKSPK28

Date of Analysis: 4/28/97

COMPOUND	SPIKE ADDED (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	9	91	(60-138)
Trichloroethene	10	10	98	(65-130)
Methylene Chloride	10	10	97	(69-129)
Tetrachloroethene	10	10	103	(68-139)
Chlorobenzene(1)	20	20	102	(72-135)

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethane co-elute

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

000017

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Blank Spike - Client Sample No.: VLKSPK29

Instrument ID: HP-5890 Blank Spike-ETL Sample No. VLKSPK29

Date of Analysis: 4/30/97

COMPOUND	SPIKE ADDED (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	11	106	(60-138)
Trichloroethene	10	12	121	(65-130)
Methylene Chloride	10	11	114	(69-129)
Tetrachloroethene	10	12	119	(68-139)
Chlorobenzene(1)	20	24	121	(72-135)

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethane co-elute

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK26

Lab Name: EnviroTest Labs Client Name: Grondwater Sciences Corp.

Lab Code: 10142 Instrument ID: HP 5890N

Date Analyzed: 4/26/97 Matrix: Water Method: 601

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	A0026G70418G	171933-01
02	A0006G70418G	171933-02
03	A0025R70418G	171933-03
04	A0011S70418G	171933-04
05	A0021S70418G	171933-05
06	A0014S70418G	171933-06
07	ATB704180419	171933-07
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK28

Lab Name: EnviroTest Labs

Client Name: Grondwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/28/97

Matrix: Water

Method: 601

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	VBLKSPK28	VBLKSPK28
02	A0026G70418GMS	171933-01MS
03	A0026G70418GMS	171933-01MSD
04		
05		
06		
07		
08		
09		
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK28

Lab Name: EnviroTest Labs

Contract: Groundwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/28/97

Matrix: Water

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	A0023R70421G	172063-01
02	A0045G70421G	172063-02
03	A0030G70421G	172063-03
04	A0022R70421G	172063-04
05	A0024R70421G	172063-05
06		
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBK29

Lab Name: EnviroTest Labs

Contract: Groundwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/29/97

Matrix: Water

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	ATB704210422	172063-09
02	A0021G70422G	172063-10
03	AFBA21G70422	172063-11
04	A0021R70422G	172063-12
05	A0003R70422G	172063-14
06	VBKSPK29	VBKSPK29
07	A0023R70421GMS	172063-01MS
08	A0023R70421GMSD	172063-01MSD
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBK02

Lab Name: EnviroTest Labs

Contract: Groundwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP 5890N

Date Analyzed: 4/28/97

Matrix: Water

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	A0004G70422G	172063-13
02		
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COMMENTS:

FORM IV VOA

428F4A

6/96

000023

October 29, 1997

Groundwater Sciences Corp
2 Summit Court, Suite 204
Fishkill, New York 12524

Attn.: Ms. Dorothy Bergmann

SUBJECT: CASE NARRATIVE, 88013.01,
ETL NUMBER 177143.

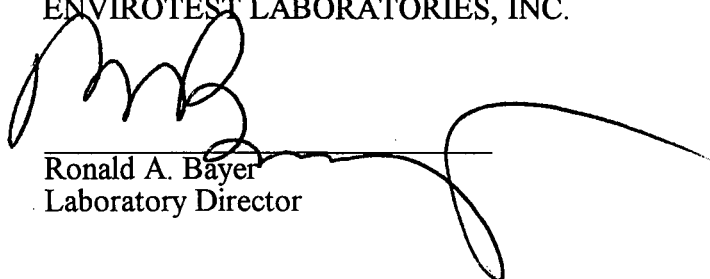
Dear Ms. Bergmann:

Enclosed are the analytical results for the 88013.01 project. The samples were received on September 29, 1997 and were prepared and analyzed according to EPA established methodologies and protocols. The reports were completed according to contract specific reporting requirements.

Your evaluation of the enclosed data should incorporate the use of the attached case narrative.

I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

ENVIROTEST LABORATORIES, INC.



Ronald A. Bayer
Laboratory Director

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VOLATILE DATA

QC Summary	7-11
Sample Data	12-29
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Raw QC Data	58-75

CASE NARRATIVE
Client: Groundwater Sciences
Date: 10/30/97
ETL Lab No. 177143

Volatiles

Calibration

The following continuing calibration contains the indicated parameter that exceeds the EnviroTest established limit of $\pm 20\%$ ($\pm 50\%$) difference:

Continuing Calibration 10/2/97: chloroethane (33.5%)



EnviroTest Laboratories inc.

315 Fullerton Avenue, Newburgh, NY 12550 (914) 562-0890 FAX (914) 562-0841

CHAIN OF CUSTODY RECORD

CUSTOMER NAME <u>Groundwater Sciences Corp</u>	
ADDRESS <u>2 Summit St, Suite 204</u>	
CITY, STATE, ZIP <u>Freshkill NY 12524</u>	
NAME OF CONTACT <u>D. Bergmann</u>	PHONE NO. <u>914.896.0288 x14</u>
PROJECT LOCATION <u>IBM Park - Airport</u>	
PROJECT NUMBER / PO NO. <u>88013.01 Non Routine</u>	

REPORT TYPE	TURNAROUND
STANDARD ☐ ISRA ☒	☐ NORMAL _____
NYASP A ☐ B ☐ CLP ☐	☒ QUICK <u>Week Form 13</u>
OTHER <u>See attached list</u>	☐ VERBAL _____
	<u>Normal TAT Data reports</u>

LABORATORY # (Lab Use Only) <u>177143</u>
TEMP BLANK Y ☒ N ☐ <u>4</u> C
pH CHECK Y ☒ N ☐
REVIEWED BY: <u>[Signature]</u>
NY PUBLIC WATER SUPPLIES
SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

ETL#	SAMPLING DATE	TIME	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed Nitric Acid	Liter Plastic Sodium Hydroxide	Liter Plastic	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Amber	2 oz. Qorpak	ANALYSIS REQUESTED
01	9/29/97	13:53	✓		AQ	AEQ70929WLID	2	2										601. From 113, report 1, 2 DCE Total
02	9/29/97	14:22	✓		AQ	AFB014570929	2	2										601. From 113, report 1, 2 DCE Total
03	9/29/97	14:27	✓		AQ	AEQ70929BALR	2	2										601. From 113, report 1, 2 DCE Total
04	9/29/97	14:32	✓		AQ	AQ014570929G	2	2										601. From 113, report 1, 2 DCE Total
05	9/29/97	14:32	✓		AQ	AD014570929D	2	2										601. From 113, report 1, 2 DCE Total
06	9/29/97	9/29/97	✓		AQ	ATB709290929	2	2										601. From 113, report 1, 2 DCE Total

RELINQUISHED BY <u>[Signature]</u>	COMPANY <u>ETL</u>	DATE <u>9/29/97</u>	TIME <u>11:00</u>	RECEIVED BY <u>Amber F. N...</u>	COMPANY <u>GSC</u>	DATE <u>9-29-97</u>	TIME <u>11:00</u>
RELINQUISHED BY <u>[Signature]</u>	COMPANY <u> </u>	DATE <u> </u>	TIME <u> </u>	RECEIVED BY <u> </u>	COMPANY <u> </u>	DATE <u> </u>	TIME <u> </u>
RELINQUISHED BY <u>[Signature]</u>	COMPANY <u> </u>	DATE <u> </u>	TIME <u> </u>	RECEIVED BY <u> </u>	COMPANY <u> </u>	DATE <u> </u>	TIME <u> </u>
RELINQUISHED BY <u>Amber F. N...</u>	COMPANY <u>GSC</u>	DATE <u>9-29-97</u>	TIME <u>15:42</u>	RECEIVED BY <u>[Signature]</u>	COMPANY <u>ETL</u>	DATE <u>9/29/97</u>	TIME <u>3:42</u>

COMMENTS All Samples Received intact and in good Condition Temp Blank < 6°C 9/29/97 Q.

VOLATILE ORGANIC LABORATORY CHRONICLE-ENVIROTEST LABORATORIES, INC.

ETL Laboratory Number: 177143
 Client Project Number: 88013-01

Date Receipt/Refrigeration: 9/29/97
 Date Sampled: 9/29/97
 Preservative: 2/0L

Sample Relinquished by	Sample Received by	Date	Time	Reason for Change of Custody
<u>[Signature]</u>	<u>[Signature]</u>	<u>2 Oct 97</u>		<u>STORAGE & ANALYSIS</u>

Analysis: Volatiles-GC
 Analyst: RS

Date of Analysis: 2 Oct 97
3 Oct 97

Volatiles-GC/MS
 Analyst: _____

Date of Analysis: _____

Section Supervisor Review
 and Approval:

[Signature]

000003

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
601/602

Lab Name: EnviroTest Labs

Client Name: Groundwater Sciences Corp.

Lab Code: 10142

Lab No.: 177143

Level: (low/med) low

	CLIENT SAMPLE NO.	SMC1 (DBFM) #	SMC2 (BCP) #	SMC3 (BFBH) #	SMC4 (BFBP) #	TOT OUT
01	VBLK02	95		95		0
02	VBLKSPK02	113		110		0
03	A0014S70929G	96		103		0
04	A0014S70929GMS	113		105		0
05	A0014S70929GMSD	112		104		0
06	AEQ70929WLID	98		100		0
07	AEQ70929BALR	97		94		0
08	VBLK03	93		93		0
09	AFB014S70929	99		99		0
10	ATB709290929	101		103		0
11	A0014S70929D	95		100		0
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SMC1 = Dibromofluoromethane
SMC2 = 2-Bromo-1-chloropropane
SMC3 = 4-Bromofluorobenzene HALL
SMC4 = 4-Bromofluorobenzene PID

QC LIMITS
(75-117)
(72-125)
(71-116)
(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM1I VOA-2

102F2A

6/96

3B
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.

Blank Spike - Client Sample No.: VLKSPK02

Instrument ID: 5890N Blank Spike-ETL Sample No. VLKSPK02

Date of Analysis: 10/2/97

COMPOUND	SPIKE ADDED (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	10.2	102	(60-138)
Trichloroethene	10	9.8	98	(65-130)
Methylene Chloride	10	10.9	109	(69-129)
Tetrachloroethene	10	10.0	100	(68-139)
Chlorobenzene(1)	20	19.9	99	(72-135)

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethane co-elute

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EnviroTest Labs Client Name: Groundwater Sciences Corp.Matrix Spike - Client Sample No.: A0014S70929GMatrix Spike - ETL Sample No.: 177143-04Instrument ID: 5890NDate of Analysis: 10/3/97

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	10	0	9.8	98	(60-138)
Trichloroethene	10	0	9.8	98	(65-130)
Methylene Chloride	10	1.6	11.7	101	(69-129)
Tetrachloroethene	10	2.8	11.9	91	(68-139)
Chlorobenzene(1)	20	0	19.2	96	(72-135)

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC #	% RPD #	QC LIMITS REC.
1,1-Dichloroethene	10	9.5	95	4	22 (60-138)
Trichloroethene	10	9.6	96	2	24 (65-130)
Methylene Chloride	10	11.9	103	2	21 (69-129)
Tetrachloroethene	10	11.7	89	2	21 (68-139)
Chlorobenzene(1)	20	18.6	93	3	21 (72-135)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

(1) Chlorobenzene and 1,1,1,2-Tetrachloroethane co-elute

Comments:

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLK02

Lab Name: EnviroTest Labs

Contract: Groundwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP5890N

Date Analyzed: 10/2/97

Matrix: Water

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	VBLKSPK02	VBLKSPK02
02	A0014S70929G	177143-04
03	A0014S70929GMS	177143-04MS
04	A0014S70929GMSD	177143-04MSD
05	AEQ70929WLID	177143-01
06	AEQ70929BALR	177143-03
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COMMENTS:

FORM IV VOA

103F4A

6/96

4A
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBK03

Lab Name: EnviroTest Labs

Contract: Groundwater Sciences Corp.

Lab Code: 10142

Instrument ID: HP5890N

Date Analyzed: 10/3/97

Matrix: Water

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID
01	AFB014S70929	177143-02
02	ATB709290929	177143-06
03	A0014S70929D	177143-05
04		
05		
06		
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COMMENTS:

FORM IV VOA

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6/96