11.12.2

Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.

One Financial Center
Boston, Massachusetts 02111

1825 Eye Street, N.W.
Washington, D.C. 20006
Telephone: 202/293-0500
Fax: 202/293-4227

Telephone: 617/542-6000
Telex: 94-0198
Fax: 617/542-2241

Direct Dial Number
(617) 348-1801

November 19, 1991

VIA HAND DELIVERY

Mr. Ross Gilleland
Remedial Project Manager
Pine Street Canal Superfund Site
United States Environmental Protection Agency
90 Canal Street
Boston, MA 02214

Ms. Margery Adams
Assistant Regional Counsel
Office of Regional Counsel
United States Environmental Protection Agency
1 Congress Street
Boston, MA 02214

Re: Pine Street Canal Superfund Site; Request to Redelineate Site Boundaries

Dear Mr. Gilleland and Ms. Adams:

The purpose of this letter is to present on behalf of The G.S. Blodgett Company ("Blodgett") information which, based upon criteria established by EPA, supports the redelineation of the western boundary of the Pine Street Superfund Site ("Site"). The information shows that the western boundary of the Site should not extend beyond the eastern edge of the railroad tracks, as indicated on the attached Site map (Attachment 1). This delineation of the Site's western boundary is consistent with site-related contamination data collected to date and EPA's own guidelines for establishing site boundaries. We therefore respectfully request that EPA Region I redelineate the Site's western boundary to correctly reflect the boundaries of site-related releases and contamination.

This position is based upon a technical assessment conducted by Blodgett's experts, Aquatec, Inc. ("Aquatec") of EPA's data gathered during the Remedial Investigation and data gathered by Aquatec on behalf of Blodgett. Aquatec reviewed both the historical and most recent data collected at the Site regarding

the nature and extent of Site contamination. In the attached Aquatec Report (Attachment 2), Blodgett's experts conclude that no site-related contamination has ever been found in the portion of the Site located between the shores of Lake Champlain and the railroad tracks. Blodgett's experts opine that this portion of the site presents no threat to public health or the environment and is outside the area of site-related contamination.

Background

The Site is located on the eastern shore of Lake Champlain in Burlington, Vermont in an industrial area approximately one-half mile south of the center of Burlington. The primary environmental concern posed by the Site is from contamination resulting from the past operation of a coal gasification plant near the southern end of the canal. Coal tar residues from this plant were allegedly disposed of at the Site and have been detected in groundwater, canal sediments and soils at certain portions of the Site.

There have been numerous investigations conducted at the Site including a preliminary draft remedial investigation/ feasibility study ("RI/FS") conducted for the U.S. EPA by PEER Consultants in May, 1990 ("PEER 1990 Report"). The PEER 1990 Report concluded that the major area of subsurface soil and groundwater contamination covered approximately 38 acres of the 80 acre site. The 38 acres comprising the area of contamination are centered around the location of the former coal gasification plant. (See map, Attachment 1.)

As a part of the PEER 1990 Report, samples were collected and analyzed from the portion of Blodgett's property bordering on Lake Champlain, west of the railroad tracks. (See Attachment 3.) As the attached Aquatec Report indicates, the analytical results for samples taken from this portion of the Site show that no site-related contamination or releases occurred or reached this portion of the Site.

The PEER 1990 Report identified several data gaps which are being addressed by Metcalf & Eddy in a supplemental RI/FS. In Metcalf & Eddy's Final Work Plan For Supplemental Remedial Investigation/Feasibility Study dated August, 1990 ("M&E 1990 Work Plan"), Metcalf & Eddy indicated that criteria are needed to define an "end point" to delineate the Site's boundary, a

"boundary beyond which any detected contamination is no longer considered to be site-related." To address this need, Metcalf & Eddy proposed and performed sampling and analysis to accurately quantify the contaminant concentrations as being within the "end point" soil criteria and so that valid data is present for each property within the Site. This work plan was approved by EPA.

Pursuant to the M&E 1990 Work Plan, various locations from around the Site were resampled. Groundwater sampling and analysis were conducted in the peripheral portion of Blodgett's property located between the shoreline and the railroad tracks. (See Attachment 4.) As the experts opine in the Aquatec Report, the analytical results from this portion of the Site once again confirmed that no Site-related contaminants have come to be located in this portion of the Site.

According to our understanding, short of delisting a Superfund site from the NPL, there is no formal administrative procedure to redefine the boundaries of a site. Rather, it is within the discretion of the Remedial Project Manager to redefine the boundaries of a site as pertinent information becomes available. We request that EPA, in the Final Supplemental RI/FS or earlier, if possible, redelineate the western boundary of the Site so as not to include the portion of the Site located west of the railroad tracks, between the tracks and the lake shore.

Thank you very much for your attention to this matter. If there is any additional information which would be of assistance, please do not hesitate to telephone me at the above-referenced telephone number. Once you have had an opportunity to consider this request, I would appreciate an opportunity to discuss it with you.

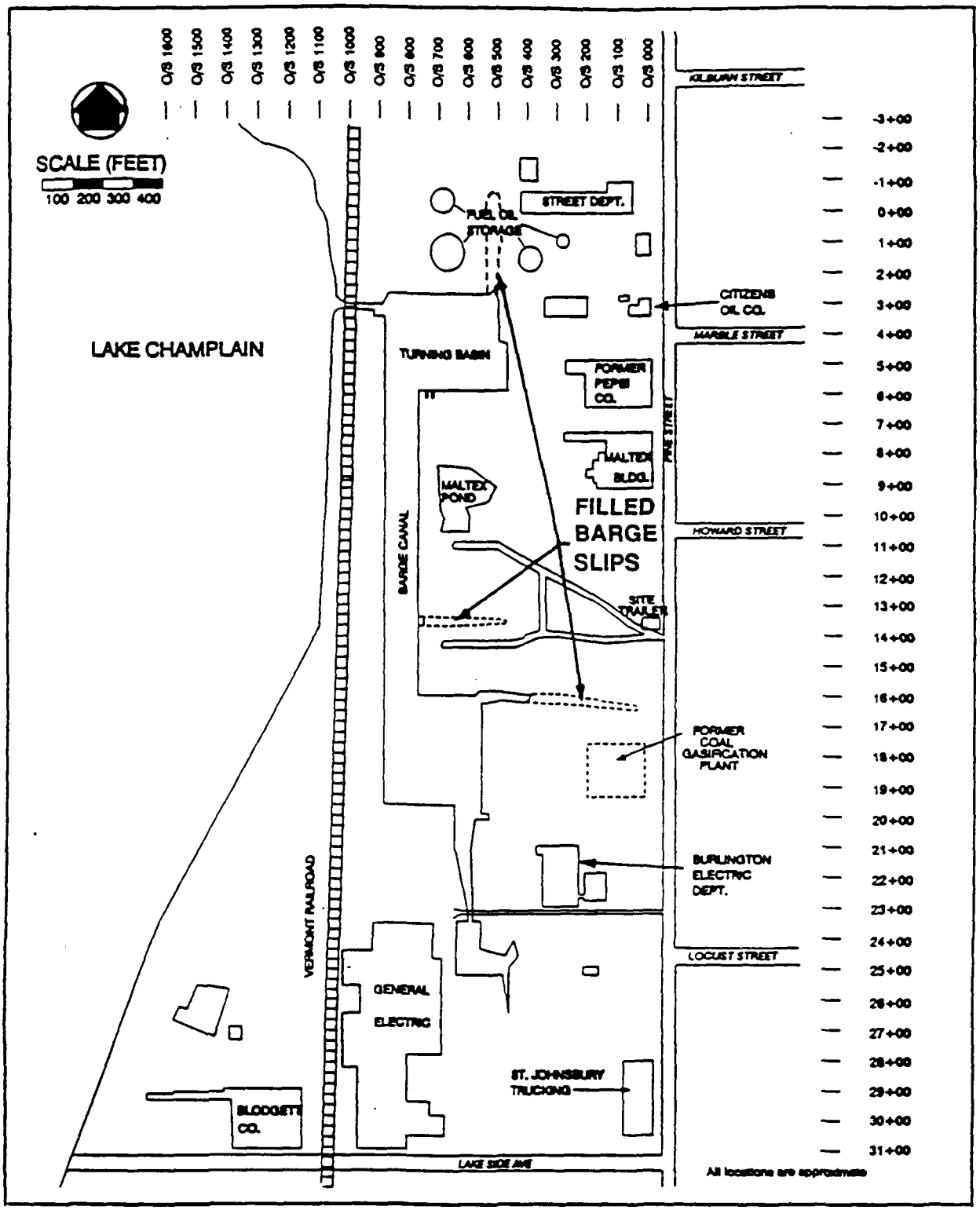
Very truly yours,

Craig H. Campbell

Craig H. Campbell

Attachments

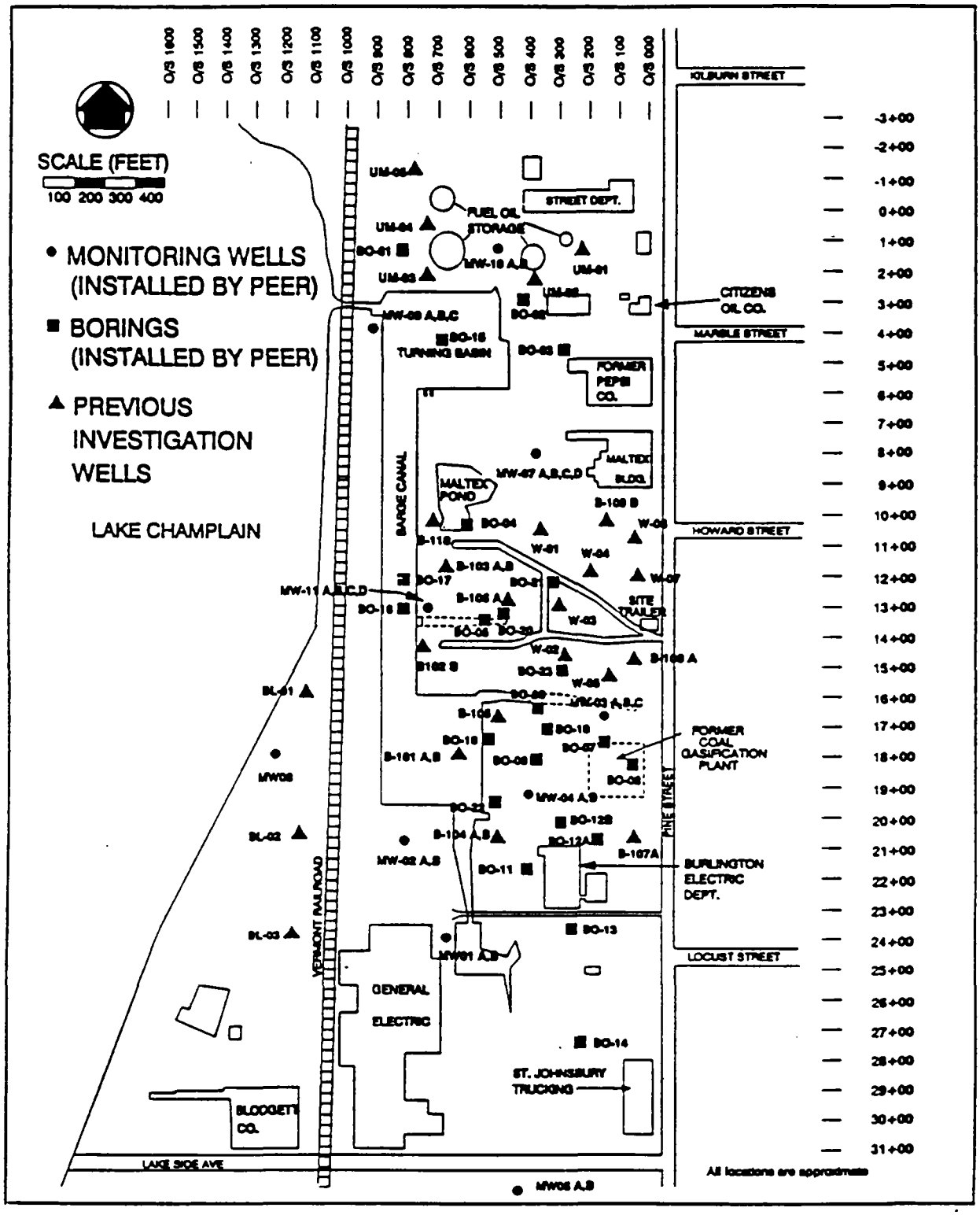
69465.1/jcl



SOURCE: PEER CONSULTANTS, MAY 1990

FIGURE 1-2. PINE STREET CANAL SITE LOCATION MAP

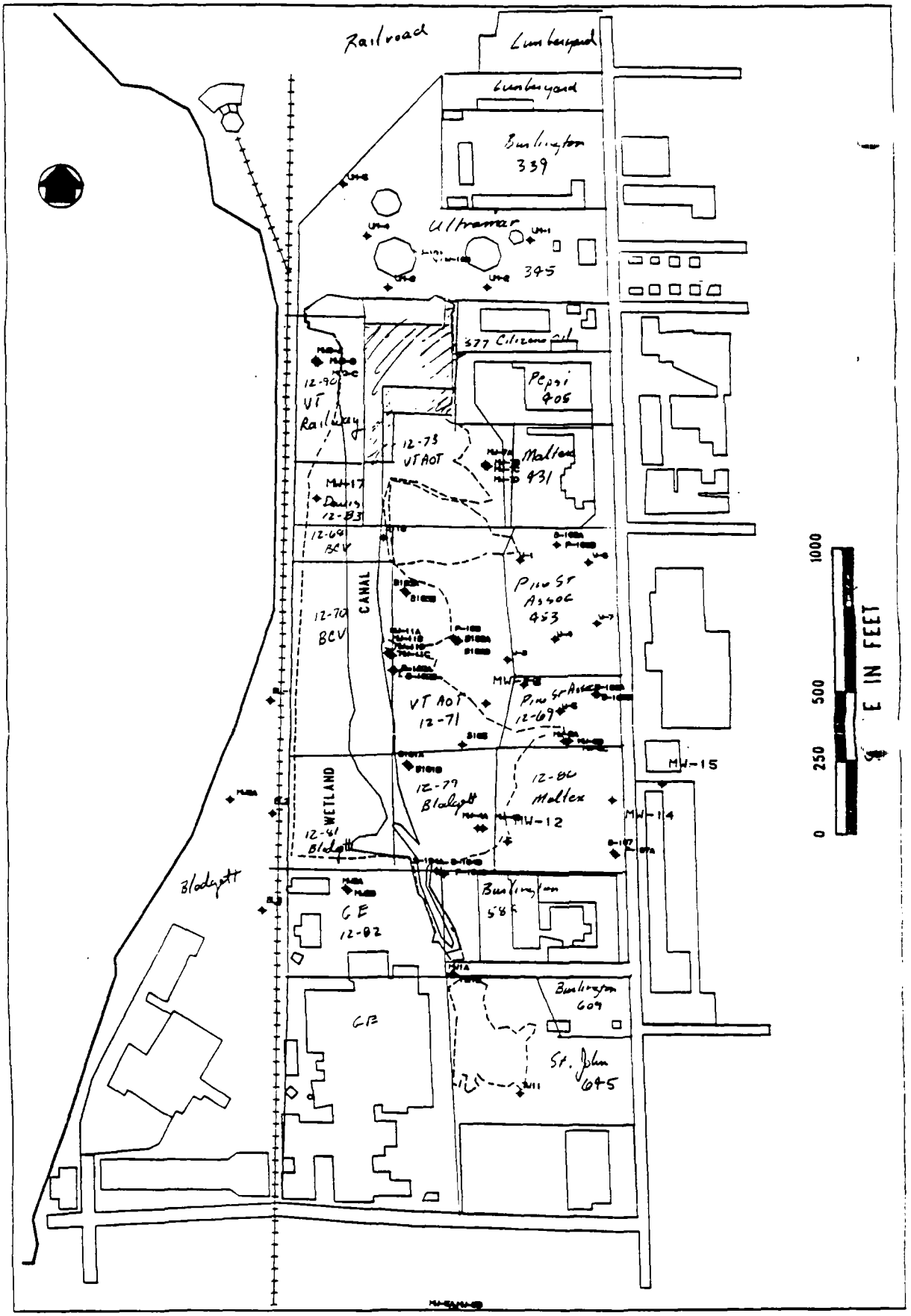
ATTACHMENT 1



SOURCE: PEER CONSULTANTS, MAY 1990

FIGURE 1-7. ON SITE MONITORING WELL LOCATIONS

wells



ATTACHMENT 4

ANALYTICAL DATA TO SUPPORT EXCLUSION OF THE BLODGETT PROPERTY WEST OF THE RAILROAD TRACKS FROM THE PINE STREET SUPERFUND SITE IN BURLINGTON, VERMONT

Prepared by
Aquatec, Inc.
55 South Park Drive
Colchester, Vermont 05446

Prepared for
The Blodgett Oven Corporation, Inc.
50 Lakeside Avenue
Burlington, Vermont 05401

1. Introduction

1.1 Purpose of Report

The G.S. Blodgett Company, Inc. ("Blodgett") is petitioning the United States Environmental Protection Agency ("EPA") to redefine the western boundary of the Pine Street Superfund Site ("Site") so as to exclude Blodgett's property located west of the railroad tracks. This letter is written to support the petition and to show that the existing conditions at this portion of the Site pose no significant threat to the public health or the environment and, therefore, require no remedial action.

2. Description of Site Location and Surroundings

2.1 Description of Portion to be Excluded

The portion of the Site to be excluded as a result of defining a new western boundary for the Site is located west of the Vermont Railroad tracks and includes the buildings and land owned by Blodgett at 50 Lakeside Avenue in Burlington, Vermont. Maps showing the Site and the property are presented in Attachment 8 (maps 3 and 4 from the Draft Preliminary Remedial Investigation Report for Pine Street Canal Site, Burlington, Vermont --PEER, May 1990).

3. Description of Site Risk Assessment

3.1 Relevant and Applicable Standards

The Site is principally a coal tar disposal site and the principal contamination is the result of coal gasification activities of the past. Polynuclear Aromatic Hydrocarbons (PAHs) along with Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) have been found to be major site related contaminants. Cyanide, arsenic, and selenium contamination are also associated with coal tar activities. These and other contaminants must be considered in evaluating the potential for risk to the public health or the environment.

4. Description of Sampling and Analysis Data

Soil and water samples were collected by both EPA and Blodgett between March 21, 1989 and March 21, 1990 and analyzed for a large number of contaminants on the portion of the Blodgett property located west of the railroad tracks. No site related contamination above normal levels was noted in these samples. A follow-up study was carried out by Metcalf & Eddy, Inc. to fill in holes in the database for the Site and to answer remaining questions that previous data coul not adequately address. Additional samples were collected on November 20, 1990 at this portion of the Blodgett property. Again, no contamination was detected above normal levels. A summary of findings is presented in Attachments 1 through 7 and these attachments are indexed as follows:

ATTACHMENT	CONTENTS
1	Organic Analytical Data for soil collected in March 1989 by Blodgett from the 15-17 foot interval at MW-1, MW-2, MW-3 and MW-4 (see Map 1 in Attachment 8).
2	Organic and Inorganic Analytical Data for water collected by Blodgett in December 1989 from MW-8A (see Map 1 in Attachment 8).
3	Organic and Inorganic Analytical Data for water collected by Blodgett in December 1989 from MW-8A (see Map 1 in Attachment 8).
4	Organic and inorganic Analytical Data for soil samples collected by PEER Consultants in the summer-fall 1989 from 5-7, 10-12, 15-17 and 30-32 foot intervals at MW-8A; water from MW-8A (see Maps 1&3 in Attachment 8); and surface soil samples at SS-24, SS-25 and SS-26 (see Map 4 in Attachment 8).
5	Organic and Inorganic Analytical Data for water samples collected by Blodgett in March 1990 from MW-1, MW-2, and MW-3 (see Map 1 in Attachment 8).
6	Organic and Inorganic Analytical Data for water collected by Metcalf and Eddy in November 1990 from BL-1 (see Map 2 in Attachment 8).
7	Organic and Inorganic Analytical Data for water collected by Blodgett in November 1990 from BL-1 (see Map 2 in Attachment 8). Note: PAH data were obtained by GC and HPLC for improved sensitivity.

Based on all analyses to date there is no evidence to conclude that the Site contamination extends to this property. There is no information to provide a basis for additional risk assessment at this portion of the Site.

5. Description of Remedy for the Site

Because there is no evidence of contamination on the Site there is no basis for specification of remediation activities.

6. Conclusion

6.1 The relevant portion of the Blodgett property west of the railroad tracks poses no significant threat to public health or the environment because there is no evidence on contamination.

6.2 The requirements for remediation should be dropped because they are unnecessary.

6.3 The Blodgett property west of the railroad tracks should be excluded from the Site and a new western boundary for the Pine Street Site should be established.

89148E15NOV91

ATTACHMENT 1

Organic Analytical Data for soil collected in March 1989 by Blodgett from the 15-17 foot interval at MW-1, MW-2, MW-3 and MW-4 (see Map 1 in Attachment 8).

Client Sample Number
MW-1-15-17

Organics Analysis Data Sheet

(Page 1)

Client Name: G.W.BLODGETT

Lab Sample ID No: 95935 Project No: 89032

Sample Matrix: Soil Date Sample Received: 03-21-89

Data Release Authorized By:

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 03-23-89

Con/Dil Factor: 2.025 pH 8

Percent Moisture: (Not Decanted) 20.88

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	45	B
67-64-1	Acetone	30	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	Trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	7	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	7	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	20	U
75-27-4	Bromodichloromethane	10	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
110-75-8	2-Chloroethylvinylether	20	U
75-25-2	Bromoform	10	U
591-78-6	2-Hexanone	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
	Total Xylenes	10	U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/ dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U - Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J). If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Client Name: G.W.BLODGETT

Client Sample Number
MW-1-15-17

95935

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 21-MAR-89

Date Analyzed: 27-MAR-89

(Conc)Dil Factor: 11.66

Percent Moisture: (Decanted) 22.52

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
108-95-2	Phenol	850	U
111-44-4	bis(-2-Chloroethyl)Ether	850	U
95-57-8	2-Chlorophenol	850	U
541-73-1	1, 3-Dichlorobenzene	850	U
106-46-7	1, 4-Dichlorobenzene	850	U
100-51-6	Benzyl Alcohol	850	U
95-50-1	1, 2-Dichlorobenzene	850	U
95-48-7	2-Methylphenol	850	U
39638-32-9	bis(2-chloroisopropyl)Ether	850	U
106-44-5	4-Methylphenol	850	U
621-64-7	N-Nitroso-Di-n-Propylamine	850	U
67-72-1	Hexachloroethane	850	U
98-95-3	Nitrobenzene	850	U
78-59-1	Isophorone	850	U
88-75-5	2-Nitrophenol	850	U
105-67-9	2, 4-Dimethylphenol	850	U
65-85-0	Benzoic Acid	4100	U
111-91-1	bis(-2-Chloroethoxy)Methane	850	U
120-83-2	2, 4-Dichlorophenol	850	U
120-82-1	1, 2, 4-Trichlorobenzene	850	U
91-20-3	Naphthalene	850	U
106-47-8	4-Chloroaniline	850	U
87-68-3	Hexachlorobutadiene	850	U
59-50-7	4-Chloro-3-Methylphenol	850	U
91-57-6	2-Methylnaphthalene	850	U
77-47-4	Hexachlorocyclopentadiene	850	U
88-06-2	2, 4, 6-Trichlorophenol	850	U
95-95-4	2, 4, 5-Trichlorophenol	4100	U
91-58-7	2-Chloronaphthalene	850	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethyl Phthalate	850	U
208-96-8	Acenaphthylene	850	U
99-09-2	3-Nitroaniline	4100	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
83-32-9	Acenaphthene	850	U
51-28-5	2, 4-Dinitrophenol	4100	U
100-02-7	4-Nitrophenol	4100	U
132-64-9	Dibenzofuran	850	U
121-14-2	2, 4-Dinitrotoluene	850	U
606-20-2	2, 6-Dinitrotoluene	850	U
84-66-2	Diethylphthalate	850	U
7005-72-3	4-Chlorophenyl-phenylether	850	U
86-73-7	Fluorene	850	U
100-01-6	4-Nitroaniline	4100	U
534-52-1	4, 6-Dinitro-2-Methylphenol	4100	U
86-30-6	N-Nitrosodiphenylamine(1)	850	U
101-55-3	4-Bromophenyl-phenylether	850	U
118-74-1	Hexachlorobenzene	850	U
87-86-5	Pentachlorophenol	4100	U
85-01-8	Phenanthrene	850	U
120-12-7	Anthracene	850	U
84-74-2	Di-n-Butylphthalate	420	BJ
206-44-0	Fluoranthene	850	U
129-00-0	Pyrene	850	U
85-68-7	Butylbenzylphthalate	850	U
91-94-1	3, 3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	850	U
117-81-7	bis(2-Ethylhexyl)Phthalate	850	U
218-01-9	Chrysene	850	U
117-84-0	Di-n-Octyl Phthalate	850	U
205-99-2	Benzo(b)Fluoranthene	850	U
207-08-9	Benzo(k)Fluoranthene	850	U
50-32-8	Benzo(a)Pyrene	850	U
193-39-5	Indeno(1, 2, 3-cd)Pyrene	850	U
53-70-3	Dibenz(a, h)Anthracene	850	U
191-24-2	Benzo(g, h, i)Perylene	850	U

(1)-Cannot be separated from diphenylamine

Client Name: BLODGETT GW

Client Sample Number
MW-1-15-17

95935

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 03/21/89

Date Analyzed: 03/23/89

(Conc)Dil Factor: 0.1166

Percent Moisture: (Decanted) 22.50

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha-BHC	100	U
319-85-7	Beta-BHC	100	U
319-86-8	Delta-BHC	100	U
58-89-9	Gamma-BHC (Lindane)	100	U
76-44-8	Heptachlor	100	U
309-00-2	Aldrin	100	U
1024-57-3	Heptachlor Epoxide	100	U
959-98-8	Endosulfan I	100	U
60-57-1	Dieldrin	210	U
72-55-9	4,4'-DDE	210	U
72-20-8	Endrin	210	U
33213-65-9	Endosulfan II	210	U
72-54-8	4,4'-DDD	210	U
1031-07-8	Endosulfan Sulfate	210	U
50-29-3	4,4'-DDT	210	U
72-43-5	Methoxyclor	1000	U
53494-70-5	Endrin Ketone	210	U
57-74-9	Chlordane	1000	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	1000	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	1000	U
53469-21-9	Aroclor-1242	1000	U
12672-29-6	Aroclor-1248	1000	U
11097-69-1	Aroclor-1254	2100	U
11096-82-5	Aroclor-1260	2100	U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s _____ or W_s 30.10 V_t 200000 V_i 2.0

Client Name: G.W.BLODGETT

Client Sample Number
MW-1-15-17

95935

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.		NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.		UNKNOWN	BNA	507	540 BJ
3.		UNKNOWN	BNA	583	5000 BJA
4.	100-52-7	BENZALDEHYDE	BNA	835	770 BJ
5.					
6.					
7.					
8.					
9.					
10.					
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30.					

Client Sample Number
MW-2-15-17

Organics Analysis Data Sheet

(Page 1)

Client Name: BLODGETT OVEN CO., INC.

Lab Sample ID No: 96231

Project No: 89032

Sample Matrix: Soil

Date Sample Received: 03-21-89

Data Release Authorized By:

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 04-01-89

Conc/Dil Factor: 2.098 pH 8.0

Percent Moisture: (Not Decanted) 23.12

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	27	B
67-64-1	Acetone	17	BJ
75-15-0	Carbon Disulfide	11	
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	Trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	5	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	21	U
75-27-4	Bromodichloromethane	10	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
110-75-8	2-Chloroethylvinylether	21	U
75-25-2	Bromoform	10	U
591-78-6	2-Hexanone	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
	Total Xylenes	10	U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

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J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J). If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Client Name: BLODGETT OVEN CO., INC.

Client Sample Number
MW-2-15-17

96231

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 03-30-89

Date Analyzed: 04-06-89

(Conc) Dil Factor: 11.88

Percent Moisture: (Decanted) 21.84

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
108-95-2	Phenol	830	U
111-44-4	bis(-2-Chloroethyl)Ether	830	U
95-57-8	2-Chlorophenol	830	U
541-73-1	1, 3-Dichlorobenzene	830	U
106-46-7	1, 4-Dichlorobenzene	830	U
100-51-6	Benzyl Alcohol	830	U
95-50-1	1, 2-Dichlorobenzene	830	U
95-48-7	2-Methylphenol	830	U
39638-32-9	bis(2-chloroisopropyl)Ether	830	U
106-44-5	4-Methylphenol	830	U
621-64-7	N-Nitroso-Di-n-Propylamine	830	U
67-72-1	Hexachloroethane	830	U
98-95-3	Nitrobenzene	830	U
78-59-1	Isophorone	830	U
88-75-5	2-Nitrophenol	830	U
105-67-9	2, 4-Dimethylphenol	830	U
65-85-0	Benzoic Acid	4000	U
111-91-1	bis(-2-Chloroethoxy)Methane	830	U
120-83-2	2, 4-Dichlorophenol	830	U
120-82-1	1, 2, 4-Trichlorobenzene	830	U
91-20-3	Naphthalene	830	U
106-47-8	4-Chloroaniline	830	U
87-68-3	Hexachlorobutadiene	830	U
59-50-7	4-Chloro-3-Methylphenol	830	U
91-57-6	2-Methylnaphthalene	830	U
77-47-4	Hexachlorocyclopentadiene	830	U
88-06-2	2, 4, 6-Trichlorophenol	830	U
95-95-4	2, 4, 5-Trichlorophenol	4000	U
91-58-7	2-Chloronaphthalene	830	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethyl Phthalate	830	U
208-96-8	Acenaphthylene	830	U
99-09-2	3-Nitroaniline	4000	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
83-32-9	Acenaphthene	830	U
51-28-5	2, 4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	830	U
121-14-2	2, 4-Dinitrotoluene	830	U
606-20-2	2, 6-Dinitrotoluene	830	U
84-66-2	Diethylphthalate	830	U
7005-72-3	4-Chlorophenyl-phenylether	830	U
86-73-7	Fluorene	830	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4, 6-Dinitro-2-Methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine(1)	830	U
101-55-3	4-Bromophenyl-phenylether	830	U
118-74-1	Hexachlorobenzene	830	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	130	J
84-74-2	Di-n-Butylphthalate	830	U
206-44-0	Fluoranthene	830	U
129-00-0	Pyrene	90	J
85-68-7	Butylbenzylphthalate	830	U
91-94-1	3, 3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	830	U
117-81-7	bis(2-Ethylhexyl)Phthalate	830	U
218-01-9	Chrysene	830	U
117-84-0	Di-n-Octyl Phthalate	830	U
205-99-2	Benzo(b)Fluoranthene	830	U
207-08-9	Benzo(k)Fluoranthene	830	U
50-32-8	Benzo(a)Pyrene	830	U
193-39-5	Indeno(1, 2, 3-cd)Pyrene	830	U
53-70-3	Dibenz(a, h)Anthracene	830	U
191-24-2	Benzo(g, h, i)Perylene	830	U

(1)-Cannot be separated from diphenylamine

Client Name: BLODGETT OVEN CO.

Client Sample Number
MW-2-15-17

96231

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 30-MAR-89

Date Analyzed: 07-APR-89

(Conc)Dil Factor: 0.1188

Percent Moisture: (Decanted) 21.84

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha-BHC	100	U
319-85-7	Beta-BHC	100	U
319-86-8	Delta-BHC	100	U
58-89-9	Gamma-BHC (Lindane)	100	U
76-44-8	Heptachlor	100	U
309-00-2	Aldrin	100	U
1024-57-3	Heptachlor Epoxide	100	U
959-98-8	Endosulfan I	100	U
60-57-1	Dieldrin	200	U
72-55-9	4,4'-DDE	200	U
72-20-8	Endrin	200	U
33213-65-9	Endosulfan II	200	U
72-54-8	4,4'-DDD	200	U
1031-07-8	Endosulfan Sulfate	200	U
50-29-3	4,4'-DDT	200	U
72-43-5	Methoxyclor	1000	U
53494-70-5	Endrin Ketone	200	U
57-74-9	Chlordane	1000	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	1000	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	1000	U
53469-21-9	Aroclor-1242	1000	U
12672-29-6	Aroclor-1248	1000	U
11097-69-1	Aroclor-1254	2000	U
11096-82-5	Aroclor-1260	2000	U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s _____ or W_s 30.40 V_t 200000 V_i 1.0

Client Name: BLODGETT OVEN CO., INC.

Client Sample Number
MW-2-15-17

96231

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.		NO VOLATILE COMPOUNDS FOUND			
2.		UNKNOWN	BNA	487	530 JB
3.		UNKNOWN	BNA	566	8200 JBA
4.		UNKNOWN	BNA	695	610 J
5.	556-67-2	OCTAMETHYLCYCLOTETRASILOXANE	BNA	875	3300 J
6.	541-02-6	DECAMETHYLCYCLOPENTASILOXANE	BNA	1102	580 J
7.	143-07-7	DODECANOIC ACID	BNA	1563	3500 J
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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18.					
19.					
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27.					
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30.					

A = ALDOL CONDENSATION PRODUCT.

Client Sample Number
MW-3-15-17

Organics Analysis Data Sheet

(Page 1)

Client Name: BLODGETT OVEN CO., INC.

Lab Sample ID No: 96232 Project No: 89032

Sample Matrix: Soil Date Sample Received: 03-21-89

Data Release Authorized By:

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 04-01-89

Conc/Dil Factor: 2.182 pH 8.2

Percent Moisture: (Not Decanted) 23.87

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	22	U
74-83-9	Bromomethane	22	U
75-01-4	Vinyl Chloride	22	U
75-00-3	Chloroethane	22	U
75-09-2	Methylene Chloride	31	B
67-64-1	Acetone	18	BJ
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
156-60-5	Trans-1,2-Dichloroethene	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	22	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
108-05-4	Vinyl Acetate	22	U
75-27-4	Bromodichloromethane	11	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	11	U
10061-02-6	Trans-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
110-75-8	2-Chloroethylvinylether	22	U
75-25-2	Bromoform	11	U
591-78-6	2-Hexanone	22	U
108-10-1	4-Methyl-2-Pentanone	22	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
	Total Xylenes	11	U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/ dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U - Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J). If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Client Name: BLODGETT OVEN CO., INC.

Client Sample Number
MW-3-15-17

96232

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 03-30-89

Date Analyzed: 04-06-89

(Conc)Dil Factor: 11.67

Percent Moisture: (Decanted) 23.45

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
108-95-2	Phenol	850	U
111-44-4	bis(-2-Chloroethyl)Ether	850	U
95-57-8	2-Chlorophenol	850	U
541-73-1	1, 3-Dichlorobenzene	850	U
106-46-7	1, 4-Dichlorobenzene	850	U
100-51-6	Benzyl Alcohol	850	U
95-50-1	1, 2-Dichlorobenzene	850	U
95-48-7	2-Methylphenol	850	U
39638-32-9	bis(2-chloroisopropyl)Ether	850	U
106-44-5	4-Methylphenol	850	U
621-64-7	N-Nitroso-Di-n-Propylamine	850	U
67-72-1	Hexachloroethane	850	U
98-95-3	Nitrobenzene	850	U
78-59-1	Isophorone	850	U
88-75-5	2-Nitrophenol	850	U
105-67-9	2, 4-Dimethylphenol	850	U
65-85-0	Benzoic Acid	4100	U
111-91-1	bis(-2-Chloroethoxy)Methane	850	U
120-83-2	2, 4-Dichlorophenol	850	U
120-82-1	1, 2, 4-Trichlorobenzene	850	U
91-20-3	Naphthalene	850	U
106-47-8	4-Chloroaniline	850	U
87-68-3	Hexachlorobutadiene	850	U
59-50-7	4-Chloro-3-Methylphenol	850	U
91-57-6	2-Methylnaphthalene	850	U
77-47-4	Hexachlorocyclopentadiene	850	U
88-06-2	2, 4, 6-Trichlorophenol	850	U
95-95-4	2, 4, 5-Trichlorophenol	4100	U
91-58-7	2-Chloronaphthalene	850	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethyl Phthalate	850	U
208-96-8	Acenaphthylene	850	U
99-09-2	3-Nitroaniline	4100	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
83-32-9	Acenaphthene	850	U
51-28-5	2, 4-Dinitrophenol	4100	U
100-02-7	4-Nitrophenol	4100	U
132-64-9	Dibenzofuran	850	U
121-14-2	2, 4-Dinitrotoluene	850	U
606-20-2	2, 6-Dinitrotoluene	850	U
84-66-2	Diethylphthalate	850	U
7005-72-3	4-Chlorophenyl-phenylether	850	U
86-73-7	Fluorene	850	U
100-01-6	4-Nitroaniline	4100	U
534-52-1	4, 6-Dinitro-2-Methylphenol	4100	U
86-30-6	N-Nitrosodiphenylamine(1)	850	U
101-55-3	4-Bromophenyl-phenylether	850	U
118-74-1	Hexachlorobenzene	850	U
87-86-5	Pentachlorophenol	4100	U
85-01-8	Phenanthrene	850	U
120-12-7	Anthracene	850	U
84-74-2	Di-n-Butylphthalate	850	U
206-44-0	Fluoranthene	850	U
129-00-0	Pyrene	850	U
85-68-7	Butylbenzylphthalate	850	U
91-94-1	3, 3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	850	U
117-81-7	bis(2-Ethylhexyl)Phthalate	850	U
218-01-9	Chrysene	850	U
117-84-0	Di-n-Octyl Phthalate	850	U
205-99-2	Benzo(b)Fluoranthene	850	U
207-08-9	Benzo(k)Fluoranthene	850	U
50-32-8	Benzo(a)Pyrene	850	U
193-39-5	Indeno(1, 2, 3-cd)Pyrene	850	U
53-70-3	Dibenz(a, h)Anthracene	850	U
191-24-2	Benzo(g, h, i)Perylene	850	U

(1)-Cannot be separated from diphenylamine

Client Name: BLODGETT OVEN CO.

Client Sample Number
MW-3-15-17

96232

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 30-MAR-89

Date Analyzed: 07-APR-89

(Conc) Dil Factor: 0.1167

Percent Moisture: (Decanted) 23.45

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha-BHC	100	U
319-85-7	Beta-BHC	100	U
319-86-8	Delta-BHC	100	U
58-89-9	Gamma-BHC (Lindane)	100	U
76-44-8	Heptachlor	100	U
309-00-2	Aldrin	100	U
1024-57-3	Heptachlor Epoxide	100	U
959-98-8	Endosulfan I	100	U
60-57-1	Dieldrin	210	U
72-55-9	4,4'-DDE	210	U
72-20-8	Endrin	210	U
33213-65-9	Endosulfan II	210	U
72-54-8	4,4'-DDD	210	U
1031-07-8	Endosulfan Sulfate	210	U
50-29-3	4,4'-DDT	210	U
72-43-5	Methoxyclor	1000	U
53494-70-5	Endrin Ketone	210	U
57-74-9	Chlordane	1000	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	1000	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	1000	U
53469-21-9	Aroclor-1242	1000	U
12672-29-6	Aroclor-1248	1000	U
11097-69-1	Aroclor-1254	2100	U
11096-82-5	Aroclor-1260	2100	U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s _____ or W_s 30.50 V_t 200000 V_i 1.0

Client Name: BLODGETT OVEN CO., INC.

Client Sample Number
MW-3-15-17

96232

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.		NO VOLATILE COMPOUNDS FOUND			
2.		UNKNOWN	BNA	490	490 JB
3.		UNKNOWN	BNA	568	9000 JBA
4.	556-67-2	OCTAMETHYLCYCLOTETRASILOXANE	BNA	877	3400 J
5.	111-87-5	1-OCTANOL	BNA	997	390 J
6.	541-02-6	DECAMETHYLCYCLOPENTASILOXANE	BNA	1105	630 J
7.	143-07-7	DODECANOIC ACID	BNA	1573	3600 J
8.		UNKNOWN HYDROCARBON	BNA	2301	360 J
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

A) = ALDOL CONDENSATION PRODUCT.

Client Sample Number
MW-4-15-17

Organics Analysis Data Sheet

(Page 1)

Client Name: BLODGETT OVEN CO., INC.

Lab Sample ID No: 96233 Project No: 89032

Sample Matrix: Soil Date Sample Received: 03-21-89

Data Release Authorized By:

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 04-01-89

Conc/Dil Factor: 2.097 pH 8.2

Percent Moisture: (Not Decanted) 22.57

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	42	B
67-64-1	Acetone	21	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	Trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	21	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	21	U
75-27-4	Bromodichloromethane	10	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	10	U
10061-02-6	Trans-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
110-75-8	2-Chloroethylvinylether	21	U
75-25-2	Bromoform	10	U
591-78-6	2-Hexanone	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
	Total Xylenes	10	U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/ dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U - Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J). If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Client Name: BLODGETT OVEN CO., INC.

Client Sample Number
MW-4-15-17

96233

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 03-30-89

Date Analyzed: 04-06-89

(Conc) Dil Factor: 12.08

Percent Moisture: (Decanted) 21.07

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
108-95-2	Phenol	820	U
111-44-4	bis(-2-Chloroethyl)Ether	820	U
95-57-8	2-Chlorophenol	820	U
541-73-1	1, 3-Dichlorobenzene	820	U
106-46-7	1, 4-Dichlorobenzene	820	U
100-51-6	Benzyl Alcohol	820	U
95-50-1	1, 2-Dichlorobenzene	820	U
95-48-7	2-Methylphenol	820	U
39638-32-9	bis(2-chloroisopropyl)Ether	820	U
106-44-5	4-Methylphenol	820	U
621-64-7	N-Nitroso-Di-n-Propylamine	820	U
67-72-1	Hexachloroethane	820	U
98-95-3	Nitrobenzene	820	U
78-59-1	Isophorone	820	U
88-75-5	2-Nitrophenol	820	U
105-67-9	2, 4-Dimethylphenol	820	U
65-85-0	Benzoic Acid	4000	U
111-91-1	bis(-2-Chloroethoxy)Methane	820	U
120-83-2	2, 4-Dichlorophenol	820	U
120-82-1	1, 2, 4-Trichlorobenzene	820	U
91-20-3	Naphthalene	820	U
106-47-8	4-Chloroaniline	820	U
87-68-3	Hexachlorobutadiene	820	U
59-50-7	4-Chloro-3-Methylphenol	820	U
91-57-6	2-Methylnaphthalene	820	U
77-47-4	Hexachlorocyclopentadiene	820	U
88-06-2	2, 4, 6-Trichlorophenol	820	U
95-95-4	2, 4, 5-Trichlorophenol	4000	U
91-58-7	2-Chloronaphthalene	820	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethyl Phthalate	820	U
208-96-8	Acenaphthylene	820	U
99-09-2	3-Nitroaniline	4000	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
83-32-9	Acenaphthene	820	U
51-28-5	2, 4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	820	U
121-14-2	2, 4-Dinitrotoluene	820	U
606-20-2	2, 6-Dinitrotoluene	820	U
84-66-2	Diethylphthalate	820	U
7005-72-3	4-Chlorophenyl-phenylether	820	U
86-73-7	Fluorene	820	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4, 6-Dinitro-2-Methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine(1)	820	U
101-55-3	4-Bromophenyl-phenylether	820	U
118-74-1	Hexachlorobenzene	820	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	820	U
120-12-7	Anthracene	820	U
84-74-2	Di-n-Butylphthalate	820	U
206-44-0	Fluoranthene	820	U
129-00-0	Pyrene	820	U
85-68-7	Butylbenzylphthalate	820	U
91-94-1	3, 3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	820	U
117-81-7	bis(2-Ethylhexyl)Phthalate	820	U
218-01-9	Chrysene	820	U
117-84-0	Di-n-Octyl Phthalate	820	U
205-99-2	Benzo(b)Fluoranthene	820	U
207-08-9	Benzo(k)Fluoranthene	820	U
50-32-8	Benzo(a)Pyrene	820	U
193-39-5	Indeno(1, 2, 3-cd)Pyrene	820	U
53-70-3	Dibenz(a, h)Anthracene	820	U
191-24-2	Benzo(g, h, i)Perylene	820	U

(1)-Cannot be separated from diphenylamine

Client Name: BLODGETT OVEN CO.

Client Sample Number
MW-4-15-17

96233

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 30-MAR-89

Date Analyzed: 08-APR-89

(Conc) Dil Factor: 0.1208

Percent Moisture: (Decanted) 21.07

GPC Cleanup [X] Yes [ ] No

Separatory Funnel Extraction [ ] Yes

Continuous Liquid - Liquid Extraction [ ] Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha-BHC	99	U
319-85-7	Beta-BHC	99	U
319-86-8	Delta-BHC	99	U
58-89-9	Gamma-BHC (Lindane)	99	U
76-44-8	Heptachlor	99	U
309-00-2	Aldrin	99	U
1024-57-3	Heptachlor Epoxide	99	U
959-98-8	Endosulfan I	99	U
60-57-1	Dieldrin	200	U
72-55-9	4,4'-DDE	200	U
72-20-8	Endrin	200	U
33213-65-9	Endosulfan II	200	U
72-54-8	4,4'-DDD	200	U
1031-07-8	Endosulfan Sulfate	200	U
50-29-3	4,4'-DDT	200	U
72-43-5	Methoxyclor	990	U
53494-70-5	Endrin Ketone	200	U
57-74-9	Chlordane	990	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	990	U
11104-28-2	Aroclor-1221	990	U
11141-16-5	Aroclor-1232	990	U
53469-21-9	Aroclor-1242	990	U
12672-29-6	Aroclor-1248	990	U
11097-69-1	Aroclor-1254	2000	U
11096-82-5	Aroclor-1260	2000	U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s _____ or W_s 30.60 V_t 200000 V_i 1.0

Name: BLODGETT OVEN CO., INC.

Client Sample Number
MW-4-15-17

96233

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.		NO VOLATILE COMPOUNDS FOUND			
2.		UNKNOWN	BNA	485	450 JB
3.		UNKNOWN	BNA	564	8100 JBA
4.	556-67-2	OCTAMETHYLCYCLOTETRASILOXANE	BNA	874	2900 J
5.	541-02-6	DECAMETHYLCYCLOPENTASILOXANE	BNA	1102	580 J
6.	143-07-7	DODECANOIC ACID	BNA	1570	3400 J
7.		UNKNOWN	BNA	2536	510 J
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A = ALDOL CONDENSATION PRODUCT.

ATTACHMENT 2

Organic and Inorganic Analytical Data for Soil collected by Blodgett in December 1989 from MW-8A (see Map 1 in Attachment 8).

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 5-7

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105676

Sample wt/vol: 3.0 (g/mL) G Lab File ID: D105676V

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 16 Date Analyzed: 10/31/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	36	B
67-64-1	Acetone	58	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	20	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW8 5-7

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water)SOIL Lab Sample ID: 105676

Sample wt/vol: 3.0 (g/mL)G Lab File ID: D105676V

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec.16 Date Analyzed: 10/31/89

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8-5-7

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105676

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B105676I2S

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 16 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	780	U
111-44-4	bis(2-Chloroethyl)ether	780	U
95-57-8	2-Chlorophenol	780	U
541-73-1	1,3-Dichlorobenzene	780	U
106-46-7	1,4-Dichlorobenzene	780	U
100-51-6	Benzyl alcohol	780	U
95-50-1	1,2-Dichlorobenzene	780	U
95-48-7	2-Methylphenol	780	U
108-60-1	bis(2-Chloroisopropyl)ether	780	U
106-44-5	4-Methylphenol	780	U
621-64-7	N-Nitroso-di-n-propylamine	780	U
67-72-1	Hexachloroethane	780	U
98-95-3	Nitrobenzene	780	U
78-59-1	Isophorone	780	U
88-75-5	2-Nitrophenol	780	U
105-67-9	2,4-Dimethylphenol	780	U
65-85-0	Benzoic acid	3800	U
111-91-1	bis(2-Chloroethoxy)methane	780	U
120-83-2	2,4-Dichlorophenol	780	U
120-82-1	1,2,4-Trichlorobenzene	780	U
91-20-3	Naphthalene	780	U
106-47-8	4-Chloroaniline	780	U
87-68-3	Hexachlorobutadiene	780	U
59-50-7	4-Chloro-3-methylphenol	780	U
91-57-6	2-Methylnaphthalene	780	U
77-47-4	Hexachlorocyclopentadiene	780	U
88-06-2	2,4,6-Trichlorophenol	780	U
95-95-4	2,4,5-Trichlorophenol	3800	U
91-58-7	2-Chloronaphthalene	780	U
88-74-4	2-Nitroaniline	3800	U
131-11-3	Dimethylphthalate	780	U
208-96-8	Acenaphthylene	780	U
606-20-2	2,6-Dinitrotoluene	780	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8-5-7

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water)SOIL Lab Sample ID: 105676

Sample wt/vol: 30.3 (g/mL)G Lab File ID: B105676I2S

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec.16 dec._____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N)N pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG	Q
99-09-2	3-Nitroaniline	3800	U
83-32-9	Acenaphthene	780	U
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	U
132-64-9	Dibenzofuran	780	U
121-14-2	2,4-Dinitrotoluene	780	U
84-66-2	Diethylphthalate	780	U
7005-72-3	4-Chlorophenyl-phenylether	780	U
86-73-7	Fluorene	780	U
100-01-6	4-Nitroaniline	3800	U
534-52-1	4,6-Dinitro-2-methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	780	U
101-55-3	4-Bromophenyl-phenylether	780	U
118-74-1	Hexachlorobenzene	780	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	780	U
120-12-7	Anthracene	780	U
84-74-2	Di-n-butylphthalate	780	U
206-44-0	Fluoranthene	780	U
129-00-0	Pyrene	780	U
85-68-7	Butylbenzylphthalate	780	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)anthracene	780	U
218-01-9	Chrysene	780	U
117-81-7	bis(2-Ethylhexyl)phthalate	780	U
117-84-0	Di-n-octylphthalate	780	U
205-99-2	Benzo(b)fluoranthene	780	U
207-08-9	Benzo(k)fluoranthene	780	U
50-32-8	Benzo(a)pyrene	780	U
193-39-5	Indeno(1,2,3-cd)pyrene	780	U
53-70-3	Dibenz(a,h)anthracene	780	U
191-24-2	Benzo(g,h,i)perylene	780	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW8-5-7

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water)SOIL Lab Sample ID: 105676

Sample wt/vol: 30.3 (g/mL)G Lab File ID: B105676I2S

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec.16 dec._____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N)N pH: 5.1 Dilution Factor: 1.0

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.37	900	JB
2.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	8.85	13000	JBA
3.		UNKNOWN	11.58	640	JB
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 5-7

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105676

Sample wt/vol: 30.3 (g/mL) G Lab File ID: AI112118

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 16 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/21/89

GPC Cleanup: (Y/N) N pH: 5.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	38	U
72-55-9	4,4'-DDE	38	U
72-20-8	Endrin	38	U
33213-65-9	Endosulfan II	38	U
72-54-8	4,4'-DDD	38	U
1031-07-8	Endosulfan sulfate	38	U
50-29-3	4,4'-DDT	38	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	38	U
5103-71-9	alpha-Chlordane	190	U
5103-74-2	gamma-Chlordane	190	U
8001-35-2	Toxaphene	380	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	380	U
11096-82-5	Aroclor-1260	380	U

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 5-7

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 19850 SAS No.: _____ SDG No.: 105678

Matrix (soil/water): soil Lab Sample ID: 105676

Level (low/med): _____ Date Received: 10/23/89

% Solids: 83.9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7650			P
7440-36-0	Antimony	10.8	U	N	F
7440-38-2	Arsenic	6.4		SN	F
7440-39-3	Barium	35.9	U		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	1560			P
7440-47-3	Chromium	16.2		*	P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	14.7			P
7439-89-6	Iron	18100			P
7439-92-1	Lead	5.7			F
7439-95-4	Magnesium	3170			P
7439-96-5	Manganese	476		*	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	21.6			P
7440-09-7	Potassium	896	U		P
7782-49-2	Selenium	0.82	U	WN	F
7440-22-4	Silver	1.6	U		A
7440-23-5	Sodium	896	U		P
7440-28-0	Thallium	1.6	U		F
7440-62-2	Vanadium	17.5			P
7440-66-6	Zinc	33.1		E	P
	Cyanide	0.69	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8-10-12

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water)SOIL Lab Sample ID: 105677

Sample wt/vol: 3.3 (g/mL)G Lab File ID: D105677V

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec.22 Date Analyzed: 11/01/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG	Q
74-87-3	Chloromethane	19	U
74-83-9	Bromomethane	19	U
75-01-4	Vinyl Chloride	19	U
75-00-3	Chloroethane	19	U
75-09-2	Methylene Chloride	8	BJ
67-64-1	Acetone	26	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	6	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	19	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	19	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	19	U
591-78-6	2-Hexanone	19	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW8-10-12

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105677

Sample wt/vol: 3.3 (g/mL) G Lab File ID: D105677V

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 22 Date Analyzed: 11/01/89

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8-10-12

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105677

Sample wt/vol: 31.0 (g/mL) G Lab File ID: B105677S

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 21 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	96	J
111-44-4	bis(2-Chloroethyl)ether	810	U
95-57-8	2-Chlorophenol	810	U
541-73-1	1,3-Dichlorobenzene	810	U
106-46-7	1,4-Dichlorobenzene	810	U
100-51-6	Benzyl alcohol	810	U
95-50-1	1,2-Dichlorobenzene	810	U
95-48-7	2-Methylphenol	810	U
108-60-1	bis(2-Chloroisopropyl)ether	810	U
106-44-5	4-Methylphenol	810	U
621-64-7	N-Nitroso-di-n-propylamine	810	U
67-72-1	Hexachloroethane	810	U
98-95-3	Nitrobenzene	810	U
78-59-1	Isophorone	810	U
88-75-5	2-Nitrophenol	810	U
105-67-9	2,4-Dimethylphenol	810	U
65-85-0	Benzoic acid	3900	U
111-91-1	bis(2-Chloroethoxy)methane	810	U
120-83-2	2,4-Dichlorophenol	810	U
120-82-1	1,2,4-Trichlorobenzene	810	U
91-20-3	Naphthalene	810	U
106-47-8	4-Chloroaniline	810	U
87-68-3	Hexachlorobutadiene	810	U
59-50-7	4-Chloro-3-methylphenol	810	U
91-57-6	2-Methylnaphthalene	810	U
77-47-4	Hexachlorocyclopentadiene	810	U
88-06-2	2,4,6-Trichlorophenol	810	U
95-95-4	2,4,5-Trichlorophenol	3900	U
91-58-7	2-Chloronaphthalene	810	U
88-74-4	2-Nitroaniline	3900	U
131-11-3	Dimethylphthalate	810	U
208-96-8	Acenaphthylene	810	U
606-20-2	2,6-Dinitrotoluene	810	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8-10-12

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105677

Sample wt/vol: 31.0 (g/mL) G Lab File ID: B105677S

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 21 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3900	U
83-32-9	Acenaphthene	810	U
51-28-5	2,4-Dinitrophenol	3900	U
100-02-7	4-Nitrophenol	3900	U
132-64-9	Dibenzofuran	810	U
121-14-2	2,4-Dinitrotoluene	810	U
84-66-2	Diethylphthalate	810	U
7005-72-3	4-Chlorophenyl-phenylether	810	U
86-73-7	Fluorene	810	U
100-01-6	4-Nitroaniline	3900	U
534-52-1	4,6-Dinitro-2-methylphenol	3900	U
86-30-6	N-Nitrosodiphenylamine (1)	810	U
101-55-3	4-Bromophenyl-phenylether	810	U
118-74-1	Hexachlorobenzene	810	U
87-86-5	Pentachlorophenol	3900	U
85-01-8	Phenanthrene	810	U
120-12-7	Anthracene	810	U
84-74-2	Di-n-butylphthalate	810	U
206-44-0	Fluoranthene	810	U
129-00-0	Pyrene	810	U
85-68-7	Butylbenzylphthalate	810	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)anthracene	810	U
218-01-9	Chrysene	810	U
117-81-7	bis(2-Ethylhexyl)phthalate	810	U
117-84-0	Di-n-octylphthalate	810	U
205-99-2	Benzo(b)fluoranthene	810	U
207-08-9	Benzo(k)fluoranthene	810	U
50-32-8	Benzo(a)pyrene	810	U
193-39-5	Indeno(1,2,3-cd)pyrene	810	U
53-70-3	Dibenz(a,h)anthracene	810	U
191-24-2	Benzo(g,h,i)perylene	810	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW8-10-12

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105677

Sample wt/vol: 31.0 (g/mL) G Lab File ID: B105677S

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 21 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.30	1100	JB
2.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	8.82	12000	JBA
3.		UNKNOWN	11.57	660	JB
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8-10-12

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105677

Sample wt/vol: 31.0 (g/mL) G Lab File ID: AI112119

Level: (low/med) LOW Date Received: 10/23/89

% Moisture: not dec. 21 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/21/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	20	U
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	39	U
72-55-9	4,4'-DDE	39	U
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	39	U
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	39	U
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	39	U
5103-71-9	alpha-Chlordane	200	U
5103-74-2	gamma-Chlordane	200	U
8001-35-2	Toxaphene	390	U
12674-11-2	Aroclor-1016	200	U
11104-28-2	Aroclor-1221	200	U
11141-16-5	Aroclor-1232	200	U
53469-21-9	Aroclor-1242	200	U
12672-29-6	Aroclor-1248	200	U
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	390	U

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8-10-12

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 105678

Matrix (soil/water): soil Lab Sample ID: 105677

Level (low/med): _____ Date Received: 10/23/89

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500			P
7440-36-0	Antimony	12.8	U	N	F
7440-38-2	Arsenic	7.1		SN	F
7440-39-3	Barium	42.7	U		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	2520			P
7440-47-3	Chromium	19.4		*	P
7440-48-4	Cobalt	10.7	U		P
7440-50-8	Copper	18.9			P
7439-89-6	Iron	20400			P
7439-92-1	Lead	8.4			F
7439-95-4	Magnesium	4980			P
7439-96-5	Manganese	341		*	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	26.6			P
7440-09-7	Potassium	1360			P
7782-49-2	Selenium	1.1	U	WN	F
7440-22-4	Silver	2.3	U		A
7440-23-5	Sodium	1070	U		P
7440-28-0	Thallium	2.3	U		F
7440-62-2	Vanadium	19.8			P
7440-66-6	Zinc	51.1		E	P
	Cyanide	0.71	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 15-17

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water)SOIL Lab Sample ID: 105678

Sample wt/vol: 3.3 (g/mL)G Lab File ID: D105678V

Level: (low/med) LOW Date Received: 10/24/89

% Moisture: not dec.27 Date Analyzed: 11/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG	Q
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	8	BJ
67-64-1	Acetone	26	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	21	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	21	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW8 15-17

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105678

Sample wt/vol: 3.3 (g/mL) G Lab File ID: D105678V

Level: (low/med) LOW Date Received: 10/24/89

% Moisture: not dec. 27 Date Analyzed: 11/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 15-17

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105678

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B105678S

Level: (low/med) LOW Date Received: 10/24/89

% Moisture: not dec. 26 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	880	U
111-44-4	bis(2-Chloroethyl)ether	880	U
95-57-8	2-Chlorophenol	880	U
541-73-1	1,3-Dichlorobenzene	880	U
106-46-7	1,4-Dichlorobenzene	880	U
100-51-6	Benzyl alcohol	880	U
95-50-1	1,2-Dichlorobenzene	880	U
95-48-7	2-Methylphenol	880	U
108-60-1	bis(2-Chloroisopropyl)ether	880	U
106-44-5	4-Methylphenol	880	U
621-64-7	N-Nitroso-di-n-propylamine	880	U
67-72-1	Hexachloroethane	880	U
98-95-3	Nitrobenzene	880	U
78-59-1	Isophorone	880	U
88-75-5	2-Nitrophenol	880	U
105-67-9	2,4-Dimethylphenol	880	U
65-85-0	Benzoic acid	4300	U
111-91-1	bis(2-Chloroethoxy)methane	880	U
120-83-2	2,4-Dichlorophenol	880	U
120-82-1	1,2,4-Trichlorobenzene	880	U
91-20-3	Naphthalene	880	U
106-47-8	4-Chloroaniline	880	U
87-68-3	Hexachlorobutadiene	880	U
59-50-7	4-Chloro-3-methylphenol	880	U
91-57-6	2-Methylnaphthalene	880	U
77-47-4	Hexachlorocyclopentadiene	880	U
88-06-2	2,4,6-Trichlorophenol	880	U
95-95-4	2,4,5-Trichlorophenol	4300	U
91-58-7	2-Chloronaphthalene	880	U
88-74-4	2-Nitroaniline	4300	U
131-11-3	Dimethylphthalate	880	U
208-96-8	Acenaphthylene	880	U
606-20-2	2,6-Dinitrotoluene	880	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 15-17

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105678

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B105678S

Level: (low/med) LOW Date Received: 10/24/89

% Moisture: not dec. 26 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4300	U
83-32-9	Acenaphthene	880	U
51-28-5	2,4-Dinitrophenol	4300	U
100-02-7	4-Nitrophenol	4300	U
132-64-9	Dibenzofuran	880	U
121-14-2	2,4-Dinitrotoluene	880	U
84-66-2	Diethylphthalate	880	U
7005-72-3	4-Chlorophenyl-phenylether	880	U
86-73-7	Fluorene	880	U
100-01-6	4-Nitroaniline	4300	U
534-52-1	4,6-Dinitro-2-methylphenol	4300	U
86-30-6	N-Nitrosodiphenylamine (1)	880	U
101-55-3	4-Bromophenyl-phenylether	880	U
118-74-1	Hexachlorobenzene	880	U
87-86-5	Pentachlorophenol	4300	U
85-01-8	Phenanthrene	880	U
120-12-7	Anthracene	880	U
84-74-2	Di-n-butylphthalate	880	U
206-44-0	Fluoranthene	880	U
129-00-0	Pyrene	880	U
85-68-7	Butylbenzylphthalate	880	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo(a)anthracene	880	U
218-01-9	Chrysene	880	U
117-81-7	bis(2-Ethylhexyl)phthalate	880	U
117-84-0	Di-n-octylphthalate	880	U
205-99-2	Benzo(b)fluoranthene	880	U
207-08-9	Benzo(k)fluoranthene	880	U
50-32-8	Benzo(a)pyrene	880	U
193-39-5	Indeno(1,2,3-cd)pyrene	880	U
53-70-3	Dibenz(a,h)anthracene	880	U
191-24-2	Benzo(g,h,i)perylene	880	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW8 15-17

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105678

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B105678S

Level: (low/med) LOW Date Received: 10/24/89

% Moisture: not dec. 26 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.42	870	JB
2.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	8.87	8000	JBA
3.		UNKNOWN	11.60	500	JB
4.		UNKNOWN	32.72	3400	J
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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 15-17'

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105678

Sample wt/vol: 30.4 (g/mL) G Lab File ID: AI112120

Level: (low/med) LOW Date Received: 10/24/89

% Moisture: not dec. 26 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/21/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	43	U
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	43	U
72-54-8	4,4'-DDD	43	U
1031-07-8	Endosulfan sulfate	43	U
50-29-3	4,4'-DDT	43	U
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	43	U
5103-71-9	alpha-Chlordane	210	U
5103-74-2	gamma-Chlordane	210	U
8001-35-2	Toxaphene	430	U
12674-11-2	Aroclor-1016	210	U
11104-28-2	Aroclor-1221	210	U
11141-16-5	Aroclor-1232	210	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	210	U
11097-69-1	Aroclor-1254	430	U
11096-82-5	Aroclor-1260	430	U

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8 15-17'

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 105678

Matrix (soil/water): soil Lab Sample ID: 105678

Level (low/med): _____ Date Received: 10/24/89

% Solids: 74.3

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13100			P
7440-36-0	Antimony	12.9	U	N	F
7440-38-2	Arsenic	7.4		SN	F
7440-39-3	Barium	52.0			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	2.6			P
7440-70-2	Calcium	8620			P
7440-47-3	Chromium	24.4		*	P
7440-48-4	Cobalt	12.7			P
7440-50-8	Copper	25.9			P
7439-89-6	Iron	27800			P
7439-92-1	Lead	12.0			F
7439-95-4	Magnesium	9550			P
7439-96-5	Manganese	584		*	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	35.0			P
7440-09-7	Potassium	2430			P
7782-49-2	Selenium	7.3	U	WN	F
7440-22-4	Silver	1.5	U		A
7440-23-5	Sodium	1080	U		P
7440-28-0	Thallium	1.5	U		F
7440-62-2	Vanadium	26.5			P
7440-66-6	Zinc	68.3		E	P
	Cyanide	0.77	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8-30-32

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water)SOIL Lab Sample ID: 105975

Sample wt/vol: 3.1 (g/mL)G Lab File ID: C105975V

Level: (low/med) LOW Date Received: 10/30/89

% Moisture: not dec.23 Date Analyzed: 11/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG	Q
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	58	B
67-64-1	Acetone	120	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	9	BJ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	21	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8-30-32

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105975

Sample wt/vol: 3.1 (g/mL) G Lab File ID: C105975V

Level: (low/med) LOW Date Received: 10/30/89

% Moisture: not dec. 23 Date Analyzed: 11/02/89

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8-30-32

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105975

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B105975S

Level: (low/med) LOW Date Received: 10/30/89

% Moisture: not dec. 25 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.42	950	JB
2.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	8.88	13000	JBA
3.		UNKNOWN	11.60	570	JB
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30.					

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8-30-32

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water) SOIL Lab Sample ID: 105975

Sample wt/vol: 30.8 (g/mL) G Lab File ID: AI112123

Level: (low/med) LOW Date Received: 10/30/89

% Moisture: not dec. 25 dec. _____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/21/89

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	42	U
5103-71-9	alpha-Chlordane	210	U
5103-74-2	gamma-Chlordane	210	U
8001-35-2	Toxaphene	420	U
12674-11-2	Aroclor-1016	210	U
11104-28-2	Aroclor-1221	210	U
11141-16-5	Aroclor-1232	210	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	210	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8-30-32

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 10567

Matrix: (soil/water)SOIL Lab Sample ID: 105975

Sample wt/vol: 30.8 (g/mL)G Lab File ID: B105975S

Level: (low/med) LOW Date Received: 10/30/89

% Moisture: not dec.25 dec._____ Date Extracted: 11/01/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/20/89

GPC Cleanup: (Y/N)N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-01-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	860	U
120-12-7	Anthracene	860	U
84-74-2	Di-n-butylphthalate	860	U
206-44-0	Fluoranthene	860	U
129-00-0	Pyrene	860	U
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)anthracene	860	U
218-01-9	Chrysene	860	U
117-81-7	bis(2-Ethylhexyl)phthalate	860	U
117-84-0	Di-n-octylphthalate	860	U
205-99-2	Benzo(b)fluoranthene	860	U
207-08-9	Benzo(k)fluoranthene	860	U
50-32-8	Benzo(a)pyrene	860	U
193-39-5	Indeno(1,2,3-cd)pyrene	860	U
53-70-3	Dibenz(a,h)anthracene	860	U
191-24-2	Benzo(g,h,i)perylene	860	U

(1) - Cannot be separated from Diphenylamine

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8-30-32

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 18850 SAS No.: _____ SDG No.: 105678

Matrix (soil/water): soil Lab Sample ID: 105975

Level (low/med): _____ Date Received: 10/30/89

% Solids: 75.5

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100			P
7440-36-0	Antimony	14.5	U	N	F
7440-38-2	Arsenic	9.3		SN	F
7440-39-3	Barium	48.2	U		P
7440-41-7	Beryllium	1.2	U		P
7440-43-9	Cadmium	2.5			P
7440-70-2	Calcium	9440			P
7440-47-3	Chromium	18.8		*	P
7440-48-4	Cobalt	12.0	U		P
7440-50-8	Copper	24.8			P
7439-89-6	Iron	24300			P
7439-92-1	Lead	12.2			F
7439-95-4	Magnesium	7240			P
7439-96-5	Manganese	629		*	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	32.1			P
7440-09-7	Potassium	1670			P
7782-49-2	Selenium	10.6	U	WN	F
7440-22-4	Silver	2.1	U		A
7440-23-5	Sodium	1200	U		P
7440-28-0	Thallium	2.1	U		F
7440-62-2	Vanadium	17.7			P
7440-66-6	Zinc	54.6		E	P
	Cyanide	0.79	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

ATTACHMENT 3

Organic and Inorganic Analytical Data for water collected by Blodgett in December 1989 from MW-8A (see Map 1 in Attachment 8).

aquatec INC. ENVIRONMENTAL SERVICES

75 GREEN MOUNTAIN DRIVE, SOUTH BURLINGTON, VERMONT 05403, TELEPHONE (802) 658-1074

May 11, 1990

Mr. Jim Robear
Blodgett Oven Company, Inc.
50 Lakeside Avenue
Burlington, VT 05401

Re: Aquatec Project No. 89148

Dear Mr. Robear:

As discussed previously, we have critically reviewed data for both soil and water samples collected from the Blodgett property located at 50 Lakeside Avenue. Samples were collected from five wells over the time period from March 21, 1989 to March 21, 1990. A map is enclosed for your reference.

The samples were analyzed using U.S. EPA contract laboratory procedures for volatile organics, semivolatile organics, pesticides and PCBs and inorganics, as outlined in Table 1.

Table 1
Summary of Sample
Analyses on Soil and Water
From the Blodgett Oven Company Property

Location	Matrix	Date	Organics	Inorganics
MW-1	Soil	3/21/89	Tested	Not Tested
	Water	3/21/90	Tested	Tested
MW-2	Soil	3/21/89	Tested	Not Tested
	Water	3/21/90	Tested	Tested
MW-3	Soil	3/21/89	Tested	Not Tested
	Water	3/21/90	Tested	Tested
MW-4	Soil	3/21/89	Tested	Not Tested
	Water	-----	Not Sampled	Not Sampled
MW-8	Soil (4 depths)	10/23/89-10/30/89	Tested	Tested
	Water	12/20/89	Tested	Tested

The following observations were noted:

1. Low levels of certain volatile organic compounds were detected in both soil and water samples. These compounds are all commonly associated with laboratory background and were found at laboratory background levels. No other volatile organics were detected.

2. No concentration of semivolatile organic compounds was detected in any soil or water sample above the practical quantitation limit of the method. Trace compounds were found in some samples but only at levels associated with laboratory background.

3. No pesticides or PCBs were found in any soil or water sample.

4. Certain soil and water samples contained measurable heavy metal concentrations. Of particular interest are levels of lead, arsenic and chromium in MW-3 water. Levels in all other water samples, when corrected for iron interference, are below the drinking water standards. Levels in MW-3 water were somewhat above the standard. It should be noted that the sample contained a large amount of sediment.

The sample was filtered and re-examined for lead, arsenic and chromium. The values obtained were well below drinking water standards, and we conclude that the results of the CLP analyses can be attributed to the presence of sediment in the water.

To summarize our findings, there is no evidence of unusual contamination in the samples from the five locations investigated, and consequently, no evidence of the property being affected by contamination associated with the Pine Street Barge Canal Site.

If you have any questions regarding this information, please contact me.

Sincerely,

Joseph Comeau

Joseph K. Comeau, Ph.D.
Laboratory Director

JKC/amp

Enclosure

89148B8MAY90

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

8A

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water) WATER Lab Sample ID: 108708

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C108708V

Level: (low/med) LOW Date Received: 12/20/89

% Moisture: not dec. _____ Date Analyzed: 12/22/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	4	BJ
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	7	J
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

8A

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water) WATER Lab Sample ID: 108708

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C108708V

Level: (low/med) LOW Date Received: 12/20/89

% Moisture: not dec._____ Date Analyzed: 12/22/89

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1.64-17-5	ETHANOL	3.30	6	J
2.	2.67-63-0	2-PROPANOL	6.85	110	J
3.					
4.					
5.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

8A

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water) WATER Lab Sample ID: 108708

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D108708S

Level: (low/med) LOW Date Received: 12/20/89

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/10/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

8A

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water)WATER Lab Sample ID: 108708

Sample wt/vol: 1000 (g/mL)ML Lab File ID: D108708S

Level: (low/med) LOW Date Received: 12/20/89

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/10/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

8A

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water)WATER Lab Sample ID: 108708

Sample wt/vol: 1000 (g/mL)ML Lab File ID: D108708S

Level: (low/med) LOW Date Received: 12/20/89

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/10/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1.123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	8.02	24	BJA
2.	2.124-07-2	OCTANOIC ACID	18.73	8	J
3.	3.112-05-0	NONANOIC ACID	20.87	36	J
4.	4.143-07-7	DODECANOIC ACID	25.98	23	J
5.	5.2440-22-4	PHENOL, 2-(2H-BENZOTRIAZOL-2	33.92	55	J
6.					
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

8A

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water) WATER Lab Sample ID: 108708

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 12/20/89

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/02/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

8A @ 1345

Lab Name: Aquatec, Inc. Contract: _____

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 108706

Matrix (soil/water): water Lab Sample ID: 108706

Level (low/med): _____ Date Received: 12/20/89

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19900			P
7440-36-0	Antimony	60.0	U	W	F
7440-38-2	Arsenic	5.7	B		F
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	379000			P
7440-47-3	Chromium	43.9			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	31.0			P
7439-89-6	Iron	25100			P
7439-92-1	Lead	10.3			F
7439-95-4	Magnesium	14900			P
7439-96-5	Manganese	573			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	10300			P
7782-49-2	Selenium	50.0	U		F
7440-22-4	Silver	10.0	U		A
7440-23-5	Sodium	57800			P
7440-28-0	Thallium	10.0	U	W	F
7440-62-2	Vanadium	57.0			P
7440-66-6	Zinc	83.6			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

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_____

_____

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

8A @ 1350

Lab Name: Aquatec, Inc. Contract: _____

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 108706

Matrix (soil/water): water Lab Sample ID: 108707

Level (low/med): _____ Date Received: 12/20/89

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide	10.0	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKX5

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water)WATER Lab Sample ID: CHUB002GV

Sample wt/vol: 5.0 (g/mL)ML Lab File ID: CHUB002GV

Level: (low/med) LOW Date Received: _____

% Moisture: not dec._____ Date Analyzed: 12/22/89

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	4	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKX5

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water) WATER Lab Sample ID: CHUB002GV

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CHUB002GV

Level: (low/med) LOW Date Received: _____

% Moisture: not dec._____ Date Analyzed: 12/22/89

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKA4

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water)WATER Lab Sample ID: DB1223A4S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: DB1223A4S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/10/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKA4

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water)WATER Lab Sample ID: DB1223A4S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: DB1223A4S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/10/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	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

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKA4

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water)WATER Lab Sample ID: DB1223A4S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: DB1223A4S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/10/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	7.95	33	JA
2.					
3.					
4.					
5.					
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKI4

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 10870

Matrix: (soil/water) WATER Lab Sample ID: PBLKI4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: _____

% Moisture: not dec._____ dec._____ Date Extracted: 12/23/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 01/02/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK

Lab Name: Aquatec, Inc. Contract: _____

Lab Code: AQUAI Case No.: 19534 SAS No.: _____ SDG No.: 108706

Matrix (soil/water): water Lab Sample ID: _____

Level (low/med): _____ Date Received: _____

% Solids: 0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	73.4	U		P
7440-36-0	Antimony	15.7	U		F
7440-38-2	Arsenic	3.2	U		F
7440-39-3	Barium	4.1	U		P
7440-41-7	Beryllium	1.5	U		P
7440-43-9	Cadmium	4.3	U		P
7440-70-2	Calcium	309	U		P
7440-47-3	Chromium	7.1	U		P
7440-48-4	Cobalt	13.3	U		P
7440-50-8	Copper	8.1	U		P
7439-89-6	Iron	19.3	U		P
7439-92-1	Lead	1.7	U		F
7439-95-4	Magnesium	271	U		P
7439-96-5	Manganese	2.9	U		P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	18.5	U		P
7440-09-7	Potassium	464	U		P
7782-49-2	Selenium	0.91	U		F
7440-22-4	Silver	6.0	U		A
7440-23-5	Sodium	362	U		P
7440-28-0	Thallium	2.2	U		F
7440-62-2	Vanadium	10.5	U		P
7440-66-6	Zinc	7.2	U		P
	Cyanide	10.0	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

ATTACHMENT 4

Organic and inorganic Analytical Data for soil samples collected by PEER Consultants in the summer-fall 1989 from 5-7, 10-12, 15-17 and 30-32 foot intervals at MW-8A; water from MW-8A (see Maps 1&3 in Attachment 8); and surface soil samples at SS-24, SS-25 and SS-26 (see Map 4 in Attachment 8).

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
J.F. KENNEDY FEDERAL BUILDING, BOSTON, MASSACHUSETTS 02203-2211

VIA HAND COURIER BY REQUESTER

November 6, 1991

Mr. Craig H. Campbell
Mintz, Levin, et al.
One Financial Center
Boston, MA 02111

Re: Freedom of Information Act Request

Dear Mr. Campbell:

This letter is in response to our phone conversation of November 4, 1991. You requested the analytical data from samples collected on the G.S. Blodgett Corporation property (west of the railroad tracks) by EPA's contractor, PEER Consultants, during the Summer and Fall of 1989.

Monitoring well 8A was the only well installed on the subject property by PEER Consultants. The depth of MW-8A is 150.0' and screened between 140.0' and 150.0'.

In addition to the ground water samples taken from MW-8A, subsurface soils samples were taken during the drilling of the well at 5-7', 10-12', 15-17' & 30-32'. (See enclosed Figure 2-8).

Surface soil samples were taken from three locations (SS-24, SS-25, & SS-26) at a depth of 1-6" inches below ground surface. (See enclosed Figure 2-5).

Most samples were analyzed for volatile organic compounds, semi-volatile organic compounds, inorganic compounds, and pesticides & PCBs. The absence of data indicates that no analysis was performed for that particular sample.

Enclosed are the validated analytical results from the above mentioned samples. If you have any questions, please give me a call at (617) 573-5766.

Sincerely,

Ross L. Gilleland, RPM
ME & VT Superfund Section

Enclosures

cc: Margery Adams (w/o)

Sample Number	MW-08-10-12 AP643	MW-08-45-47 AP646	MW-08-30-32 AP650RE
Measurement Units	ug/Kg	ug/Kg	ug/Kg
STANCE			
Chloroethane	12.00 U	13.00 U	13.00 U
Bromoethane	12.00 U	13.00 U	13.00 U
Vinyl Chloride	12.00 U	13.00 U	13.00 U
Chloroethane	12.00 U	13.00 U	13.00 U
Methylene Chloride	30.00 U	10.00 U	10.00 U
Acetone	26.00 UJ	49.00 J	41.00 J
Carbon Disulfide	6.00 U	6.00 U	7.00 U
1,1-Dichloroethene	6.00 U	6.00 U	7.00 U
1,1-Dichloroethane	6.00 U	6.00 U	7.00 U
1,2-Dichloroethene (total)	6.00 U	6.00 U	7.00 U
Chloroform	6.00 U	6.00 U	3.00 J
1,2-Dichloroethane	6.00 U	6.00 U	7.00 U
2-Butanone	12.00 U	13.00 R	13.00 R
1,1,1-Trichloroethane	6.00 U	6.00 U	7.00 U
Carbon Tetrachloride	6.00 U	6.00 U	7.00 U
Vinyl Acetate	12.00 U	13.00 U	13.00 U
Bromodichloromethane	6.00 U	6.00 U	7.00 U
1,2-Dichloropropane	6.00 U	6.00 U	7.00 U
cis-1,3-Dichloropropene	6.00 U	6.00 U	7.00 U
Trichloroethene	6.00 U	6.00 U	7.00 U
Dibromochloromethane	6.00 U	6.00 U	7.00 U
1,1,2-Trichloroethane	6.00 U	6.00 U	7.00 U
Benzene	6.00 U	6.00 U	7.00 U
Trans-1,3-Dichloropropene	6.00 U	6.00 U	7.00 U
Bromoform	6.00 U	6.00 U	7.00 U
4-Methyl-2-Pentanone	12.00 U	13.00 U	13.00 U
2-Hexanone	12.00 U	13.00 U	13.00 U
Tetrachloroethene	6.00 U	6.00 U	7.00 U
1,1,2,2-Tetrachloroethane	6.00 U	6.00 U	7.00 U
Toluene	6.00 U	6.00 U	7.00 U
Chlorobenzene	6.00 U	6.00 U	7.00 U
Ethylbenzene	6.00 U	6.00 U	7.00 U
Styrene	6.00 U	6.00 U	7.00 U
Total Xylenes	6.00 U	6.00 UJ	7.00 U

	APe39
Measurement Units	ug/Kg
SUBSTANCE	
Chloromethane	12.00 U
Bromomethane	12.00 U
Vinyl Chloride	12.00 U
Chloroethane	12.00 U
Methylene Chloride	13.00 U
Acetone	10.00 UJ
Carbon Disulfide	6.00 U
1,1-Dichloroethene	6.00 U
1,1-Dichloroethane	6.00 U
1,2-Dichloroethene (total)	6.00 U
Chloroform	6.00 U
1,2-Dichloroethane	6.00 U
2-Butanone	12.00 U
1,1,1-Trichloroethane	6.00 U
Carbon Tetrachloride	6.00 U
Vinyl Acetate	12.00 U
Bromodichloromethane	6.00 U
1,2-Dichloropropane	6.00 U
cis-1,3-Dichloropropene	6.00 U
Trichloroethene	6.00 U
Dibromochloromethane	6.00 U
1,1,2-Trichloroethane	6.00 U
Benzene	6.00 U
Trans-1,3-Dichloropropene	6.00 U
Bromoform	6.00 U
4-Methyl-2-Pentanone	12.00 U
2-Hexanone	12.00 U
Tetrachloroethene	6.00 U
1,1,2,2-Tetrachloroethane	6.00 U
Toluene	6.00 U
Chlorobenzene	6.00 U
Ethylbenzene	6.00 U
Styrene	6.00 U
Total Xylenes	6.00 U

Semi-volatile Organic Data - Burlington, Vermont - SOIL - Monitoring well soil (MW) --- continued

Sample Number	MW-08-10-12 AP643	MW-08-30-32 AP650	MW-08-5-7 AP639
Measurement Units	ug/Kg	ug/Kg	ug/Kg
SUBSTANCE			
Phenol	400.00 U	430.00 UJ	390.00 U
bis(2-Chloroethyl)Ether	400.00 U	430.00 UJ	390.00 U
2-Chlorophenol	400.00 U	430.00 UJ	390.00 U
1,3-Dichlorobenzene	400.00 U	430.00 UJ	390.00 U
1,4-Dichlorobenzene	400.00 U	430.00 UJ	390.00 U
Benzyl Alcohol	400.00 U	430.00 UJ	390.00 U
1,2-Dichlorobenzene	400.00 U	430.00 UJ	390.00 U
2-Methylphenol	400.00 U	430.00 UJ	390.00 U
bis(2-Chloroisopropyl)Ether	400.00 U	430.00 UJ	390.00 U
4-Methylphenol	400.00 U	430.00 UJ	390.00 U
N-Nitroso-Di-n-Propylamine	400.00 U	430.00 UJ	390.00 U
Hexachloroethane	400.00 U	430.00 UJ	390.00 U
Nitrobenzene	400.00 U	430.00 UJ	390.00 U
Isophorone	400.00 U	430.00 UJ	390.00 U
2-Nitrophenol	400.00 U	430.00 UJ	390.00 U
2,4-Dimethylphenol	400.00 U	430.00 UJ	390.00 U
Benzoic Acid	2000.00 UJ	2200.00 UJ	65.00 J
bis(2-Chloroethoxy)Methane	400.00 U	430.00 UJ	390.00 U
2,4-Dichlorophenol	400.00 U	430.00 UJ	390.00 U
1,2,4-Trichlorobenzene	400.00 U	430.00 UJ	390.00 U
Naphthalene	400.00 U	430.00 UJ	390.00 U
4-Chloroaniline	400.00 U	430.00 UJ	390.00 U
Hexachlorobutadiene	400.00 U	430.00 UJ	390.00 U
4-Chloro-3-Methylphenol	400.00 U	430.00 UJ	390.00 U
2-Methylnaphthalene	400.00 U	430.00 UJ	390.00 U
Hexachlorocyclopentadiene	400.00 U	430.00 UJ	390.00 U
2,4,6-Trichlorophenol	400.00 U	430.00 UJ	390.00 U
2,4,5-Trichlorophenol	2000.00 U	2200.00 UJ	1900.00 U
2-Chloronaphthalene	400.00 U	430.00 UJ	390.00 U
2-Nitroaniline	2000.00 U	2200.00 UJ	1900.00 U
Dimethyl Phthalate	400.00 U	430.00 UJ	390.00 U
Acenaphthylene	400.00 U	430.00 UJ	390.00 U
2,6-Dinitrotoluene	400.00 U	430.00 UJ	390.00 U
3-Nitroaniline	2000.00 U	2200.00 UJ	1900.00 U
Acenaphthene	400.00 U	430.00 UJ	390.00 U
2,4-Dinitrophenol	2000.00 U	2200.00 UJ	1900.00 U
4-Nitrophenol	2000.00 U	2200.00 UJ	1900.00 U
Dibenzofuran	400.00 U	430.00 UJ	390.00 U
2,6-Dinitrotoluene	400.00 U	430.00 UJ	390.00 U
Diethylphthalate	400.00 U	430.00 UJ	390.00 U
4-Chlorophenyl-phenylether	400.00 U	430.00 UJ	390.00 U
Fluorene	400.00 U	430.00 UJ	390.00 U
4-Nitroaniline	2000.00 U	2200.00 UJ	1900.00 U
4,6-Dinitro-2-Methylphenol	2000.00 U	2200.00 UJ	1900.00 U
N-Nitrosodiphenylamine	400.00 U	430.00 UJ	390.00 U
4-Bromophenyl-phenylether	400.00 U	430.00 UJ	390.00 U
Hexachlorobenzene	400.00 U	430.00 UJ	390.00 U
Pentachlorophenol	2000.00 U	2200.00 R	1900.00 U
Phenanthrene	400.00 U	430.00 UJ	390.00 U
Anthracene	400.00 U	430.00 UJ	390.00 U
Di-n-Butylphthalate	400.00 U	430.00 UJ	390.00 U
Fluoranthene	400.00 U	430.00 UJ	390.00 U
Pyrene	400.00 U	430.00 R	390.00 U
Butylbenzylphthalate	400.00 U	430.00 UJ	390.00 U
3,3'-Dichlorobenzidine	810.00 U	870.00 J	790.00 U
Benzo(a)Anthracene	400.00 U	430.00 UJ	390.00 U
Chrysene	400.00 U	430.00 UJ	390.00 U
bis(2-Ethylhexyl)Phthalate	400.00 U	3500.00 J	390.00 U
Di-n-Octyl Phthalate	400.00 U	430.00 UJ	390.00 U
Benzo(b)Fluoranthene	400.00 U	430.00 UJ	390.00 U
Benzo(k)Fluoranthene	400.00 U	430.00 UJ	390.00 U
Benzo(a)Pyrene	400.00 U	430.00 UJ	390.00 U
Indeno(1,2,3-cd)Pyrene	400.00 U	430.00 UJ	390.00 U
Dibenzo(a,h)Anthracene	400.00 U	430.00 UJ	390.00 U
Benzo(g,h,i)Perylene	400.00 U	430.00 UJ	390.00 U

Sample Number	MW-08-10-12 MAL706
Measurement Units	mg/Kg
SUBSTANCE	
Aluminum	11000.00 J
Antimony	UJ
Arsenic	7.60 J
Barium	34.60
Beryllium	0.30
Cadmium	
Calcium	2580.00
Chromium	21.60 J
Cobalt	12.00
Copper	16.60 UJ
Iron	21300.00
Lead	6.20 J
Magnesium	5350.00
Manganese	458.00 J
Mercury	
Nickel	28.10 J
Potassium	1290.00
Selenium	0.60 J
Silver	R
Sodium	75.30
Thallium	
Vanadium	24.90 J
Zinc	56.50 J
Cyanide	

Sample Number	MW-08-15-17 MAL709	MW-08-15-17 MAL709	MW-08-30-32 MAL713	MW-08-5-7 MAL702
Measurement Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg
SUBSTANCE				
Aluminum	3540.00	3540.00	18500.00	8960.00 J
Antimony	7.10 UJ	7.10 UJ	UJ	UJ
Arsenic	3.60 U	3.60 U	6.30	11.00 J
Barium	32.80	32.80	62.10	28.90
Beryllium	1.00	1.00		
Cadmium	1.10 U	1.10 U		
Calcium	67200.00	67200.00	10000.00	1580.00
Chromium	5.90	5.90	32.40	18.00 J
Cobalt	3.60	3.60	16.10	7.80
Copper	7.00	7.00	25.10 J	13.20 UJ
Iron	11400.00	11400.00	32600.00	18900.00
Lead	4.70	4.70	10.50	11.60 J
Magnesium	12800.00	12800.00	11000.00	3630.00
Manganese	431.00	431.00	764.00	277.00 J
Mercury	0.30 J	0.30 J		
Nickel	13.10	13.10	41.20	19.20 J
Potassium	1010.00	1010.00	3020.00	658.00
Selenium	0.50 UJ	0.50 UJ	UJ	
Silver	0.80 U	0.80 U		R
Sodium	87.50	87.50	332.00	35.10
Thallium	0.50 UJ	0.50 UJ	0.32	
Vanadium	9.40	9.40	30.80	22.60 J
Zinc	26.90	26.90	81.50	47.90 J
Cyanide	1.60 UJ	1.60 UJ	UJ	

Sample Number	MW-08-10-12
Measurement Units	AP643
SUBSTANCE	ug/Kg
alpha-BHC	10.00 UJ
beta-BHC	10.00 UJ
delta-BHC	10.00 UJ
gamma-BHC (Lindane)	10.00 UJ
Heptachlor	10.00 UJ
Aldrin	10.00 UJ
Heptachlor epoxide	10.00 UJ
Endosulfan I	10.00 UJ
Dieldrin	20.00 UJ
4,4'-DDE	20.00 UJ
Endrin	20.00 UJ
Endosulfan II	20.00 UJ
4,4'-DDD	20.00 UJ
Endosulfan sulfate	20.00 UJ
4,4'-DDT	20.00 UJ
Methoxychlor	98.00 UJ
Endrin ketone	20.00 UJ
alpha-Chlordane	98.00 UJ
gamma-Chlordane	98.00 UJ
Toxaphene	200.00 UJ
Aroclor-1016	98.00 UJ
Aroclor-1221	98.00 UJ
Aroclor-1232	98.00 UJ
Aroclor-1242	98.00 UJ
Aroclor-1248	98.00 UJ
Aroclor-1254	200.00 UJ
Aroclor-1260	200.00 UJ

Sample Number	MW-08-30-32	MW-08-5-7
	AP650	AP639
Measurement Units	ug/Kg	ug/Kg
SUBSTANCE		
alpha-BHC	100.00 R	10.00 UJ
beta-BHC	100.00 R	10.00 UJ
delta-BHC	100.00 R	10.00 UJ
gamma-BHC (Lindane)	100.00 R	10.00 UJ
Heptachlor	100.00 R	10.00 UJ
Aldrin	100.00 R	10.00 UJ
Heptachlor epoxide	100.00 R	10.00 UJ
Endosulfan I	100.00 R	10.00 UJ
Dieldrin	210.00 R	19.00 UJ
4,4'-DDE	210.00 R	19.00 UJ
Endrin	210.00 R	19.00 UJ
Endosulfan II	210.00 R	19.00 UJ
4,4'-DDD	210.00 R	19.00 UJ
Endosulfan sulfate	210.00 R	19.00 UJ
4,4'-DDT	210.00 R	19.00 UJ
Methoxychlor	1000.00 R	95.00 UJ
Endrin ketone	210.00 R	19.00 UJ
alpha-Chlordane	1000.00 R	95.00 UJ
gamma-Chlordane	1000.00 R	95.00 UJ
Toxaphene	2100.00 R	190.00 UJ
Aroclor-1016	1000.00 R	95.00 UJ
Aroclor-1221	1000.00 R	95.00 UJ
Aroclor-1232	1000.00 R	95.00 UJ
Aroclor-1242	1000.00 R	95.00 UJ
Aroclor-1248	1000.00 R	95.00 UJ
Aroclor-1254	2100.00 R	190.00 UJ
Aroclor-1260	2100.00 R	190.00 UJ

Volatile Organic Data - Burlington, Vermont - [illegible] - Surface Soil Samples [illegible] - continued

Sample Number	SS-026 AP676	SS-025 AP675
Measurement Units	ug/Kg	ug/Kg
SUBSTANCE		
Chloroethane	11.00 U	11.00 U
Bromoethane	11.00 U	11.00 U
Vinyl Chloride	11.00 U	11.00 U
Chloroethene	11.00 U	11.00 U
Methylene Chloride	6.00 U	6.00 U
Acetone	11.00 U	11.00 U
Carbon Disulfide	6.00 UJ	6.00 U
1,1-Dichloroethene	6.00 U	6.00 U
1,1-Dichloroethane	6.00 U	6.00 U
1,2-Dichloroethene (total)	6.00 U	6.00 U
Chloroform	6.00 U	6.00 U
1,2-Dichloroethane	6.00 U	6.00 U
2-Butanone	11.00 R	11.00 R
1,1,1-Trichloroethane	6.00 U	6.00 U
Carbon Tetrachloride	6.00 U	6.00 U
Vinyl Acetate	11.00 U	11.00 U
Bromodichloromethane	6.00 U	6.00 U
1,2-Dichloropropane	6.00 U	6.00 U
cis-1,3-Dichloropropene	6.00 U	6.00 U
Trichloroethene	6.00 U	6.00 U
Dibromochloromethane	6.00 U	6.00 U
1,1,2-Trichloroethane	6.00 U	6.00 U
Benzene	6.00 U	6.00 U
Trans-1,3-Dichloropropene	6.00 U	6.00 U
Bromoform	6.00 U	6.00 U
4-Methyl-2-Pentanone	11.00 U	11.00 U
2-Hexanone	11.00 U	11.00 U
Tetrachloroethene	6.00 U	6.00 U
1,1,2,2-Tetrachloroethane	6.00 U	6.00 U
Toluene	6.00 U	6.00 U
Chlorobenzene	6.00 U	6.00 U
Ethylbenzene	6.00 U	6.00 U
Styrene	6.00 U	6.00 U
Total Xylenes	6.00 U	6.00 U

Sample Number	SS-026 AP637
Measurement Units	ug/Kg
SUBSTANCE	
[illegible]oroethane	11.00 U
[illegible]aethane	11.00 U
[illegible] Chloride	11.00 U
[illegible]oroethane	11.00 U
Methylene Chloride	5.00 U
Acetone	2.00 J
Carbon Disulfide	5.00 J
1,1-Dichloroethene	5.00 U
1,1-Dichloroethane	5.00 U
1,2-Dichloroethene (total)	5.00 U
Chloroform	5.00 U
1,2-Dichloroethane	5.00 U
2-Butanone	11.00 R
1,1,1-Trichloroethane	5.00 U
Carbon Tetrachloride	5.00 U
Vinyl Acetate	11.00 U
Bromodichloromethane	5.00 U
1,2-Dichloropropane	5.00 U
cis-1,3-Dichloropropene	5.00 U
Trichloroethene	5.00 U
Dibromochloromethane	5.00 U
1,1,2-Trichloroethane	5.00 U
Benzene	5.00 U
Trans-1,3-Dichloropropene	5.00 UJ
Bromoform	5.00 U
4-Methyl-2-Pentanone	11.00 U
2-Hexanone	11.00 U
Tetrachloroethene	5.00 U
1,1,2,2-Tetrachloroethane	5.00 U
Toluene	5.00 U
Chlorobenzene	5.00 U
Ethylbenzene	5.00 U
Styrene	5.00 U
Total Xylenes	5.00 U

Semi-volatile Organic Data - Burlington, Vermont - SOIL - Surface soil grours 1991 --- continued

Sample Number	SS-025 AF675	SS-026 AF637
Measurement Units	ug/Kg	ug/Kg
SUBSTANCE		
Phenol	400.00 UJ	370.00 UJ
bis(2-Chloroethyl)Ether	400.00 UJ	370.00 UJ
2-Chlorophenol	400.00 UJ	370.00 UJ
1,3-Dichlorobenzene	400.00 UJ	370.00 UJ
1,4-Dichlorobenzene	400.00 UJ	370.00 UJ
Benzyl Alcohol	400.00 UJ	370.00 UJ
1,2-Dichlorobenzene	400.00 UJ	370.00 UJ
2-Methylphenol	400.00 UJ	370.00 UJ
bis(2-Chloroisopropyl)Ether	400.00 UJ	370.00 UJ
4-Methylphenol	400.00 UJ	370.00 UJ
N-Nitroso-Di-n-Propylamine	400.00 UJ	370.00 UJ
Hexachloroethane	400.00 UJ	370.00 UJ
Nitrobenzene	400.00 UJ	370.00 UJ
Isophorone	400.00 UJ	370.00 UJ
2-Nitrophenol	400.00 UJ	370.00 UJ
2,4-Dimethylphenol	400.00 UJ	370.00 UJ
Benzoic Acid	1900.00 UJ	1800.00 UJ
bis(2-Chloroethoxy)Methane	400.00 UJ	370.00 UJ
2,4-Dichlorophenol	400.00 UJ	370.00 UJ
1,2,4-Trichlorobenzene	400.00 UJ	370.00 UJ
Naphthalene	400.00 UJ	370.00 UJ
4-Chloroaniline	400.00 UJ	370.00 UJ
Hexachlorobutadiene	400.00 UJ	370.00 UJ
4-Chloro-3-Methylphenol	400.00 UJ	370.00 UJ
2-Methylnaphthalene	400.00 UJ	370.00 UJ
Hexachlorocyclopentadiene	400.00 UJ	370.00 UJ
2,4,6-Trichlorophenol	400.00 UJ	370.00 UJ
2,4,5-Trichlorophenol	1900.00 UJ	1800.00 UJ
2-Chloronaphthalene	400.00 UJ	370.00 UJ
2-Nitroaniline	1900.00 UJ	1800.00 UJ
Dimethyl Phthalate	400.00 UJ	370.00 UJ
Acenaphthylene	400.00 UJ	370.00 UJ
2,6-Dinitrotoluene	400.00 UJ	370.00 UJ
3-Nitroaniline	1900.00 UJ	1800.00 UJ
Acenaphthene	400.00 UJ	370.00 UJ
2,4-Dinitrophenol	1900.00 UJ	1800.00 UJ
4-Nitrophenol	1900.00 UJ	1800.00 UJ
Dibenzofuran	400.00 UJ	370.00 UJ
2,4-Dinitrotoluene	400.00 UJ	370.00 UJ
Diethylphthalate	400.00 UJ	370.00 UJ
4-Chlorophenyl-phenylether	400.00 UJ	370.00 UJ
Fluorene	400.00 UJ	370.00 UJ
4-Nitroaniline	1900.00 UJ	1800.00 UJ
4,6-Dinitro-2-Methylphenol	1900.00 UJ	1800.00 UJ
N-Nitrosodiphenylamine	400.00 UJ	370.00 UJ
4-Bromophenyl-phenylether	400.00 UJ	370.00 UJ
Hexachlorobenzene	400.00 UJ	370.00 UJ
Pentachlorophenol	1900.00 UJ	1800.00 UJ
Phenanthrene	140.00 J	370.00 UJ
Anthracene	400.00 UJ	370.00 UJ
Di-n-Butylphthalate	400.00 UJ	370.00 UJ
Fluoranthene	260.00 J	370.00 UJ
Pyrene	250.00 J	370.00 UJ
Butylbenzylphthalate	400.00 UJ	370.00 UJ
3,3'-Dichlorobenzidine	790.00 UJ	730.00 UJ
Benzo(a)Anthracene	95.00 J	370.00 UJ
Chrysene	100.00 J	370.00 UJ
bis(2-Ethylhexyl)Phthalate	51.00 J	79.00 J
Di-n-Octyl Phthalate	400.00 UJ	370.00 UJ
Benzo(b)Fluoranthene	190.00 J	37.00 J
Benzo(k)Fluoranthene	400.00 UJ	370.00 UJ
Benzo(a)Pyrene	130.00 J	370.00 UJ
Indeno(1,2,3-cd)Pyrene	75.00 J	370.00 UJ
Dibenzo(a,h)Anthracene	400.00 UJ	370.00 UJ
Benzo(g,h,i)Perylene	400.00 UJ	370.00 UJ

SS-024 AP676 ug/Kg
380.00 UJ
380.00 UJ
380.00 UJ
380.00 UJ
380.00 UJ
380.00 UJ
380.00 UJ
380.00 UJ
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1800.00 UJ
200.00 J
380.00 UJ
380.00 UJ
370.00 J
410.00 J
380.00 UJ
750.00 UJ
130.00 J
130.00 J
51.00 J
380.00 UJ
180.00 J
380.00 UJ
200.00 J
76.00 J
380.00 UJ
380.00 UJ

Sample Number	SS-024 MAL687	SS-025 MAL688
Measurement Units	mg/Kg	mg/Kg
SUBSTANCE		
Aluminum	6410.00	5570.00
Antimony	13.10 J	UJ
Arsenic	3.60	3.30
Barium	28.10 J	28.20 J
Beryllium	0.22 J	0.24 J
Cadmium		0.23
Calcium	2180.00 J	1870.00 J
Chromium	13.30 J	11.70 J
Cobalt	7.00	6.00
Copper	9.20 J	8.60 J
Iron	12600.00 J	11200.00 J
Lead	16.40 J	34.90 J
Magnesium	2720.00	1990.00
Manganese	212.00 J	180.00 J
Mercury		
Nickel	15.30	12.20
Potassium	713.00	411.00
Selenium	UJ	UJ
Silver	R	R
Sodium	464.00	396.00
Thallium	R	R
Vanadium	12.90	12.20
Zinc	21.80	26.30
Cyanide		0.97

Sample Number	SS-026 MAL689
Measurement Units	mg/Kg
SUBSTANCE	
Aluminum	6800.00
Antimony	UJ
Arsenic	3.50
Barium	273.00 J
Beryllium	0.19 J
Cadmium	
Calcium	1600.00 J
Chromium	14.70 J
Cobalt	8.30
Copper	8.50 J
Iron	13900.00 J
Lead	10.40 J
Magnesium	2690.00
Manganese	273.00 J
Mercury	
Nickel	14.70
Potassium	609.00
Selenium	UJ
Silver	R
Sodium	469.00
Thallium	R
Vanadium	16.50
Zinc	19.10
Cyanide	

SUBSTANCE	Sample Number: SS-025	Measurement Units: ug/Kg
alpha-BHC	AP675	9.60 UJ
beta-BHC		9.60 UJ
delta-BHC		9.60 UJ
gamma-BHC (Lindane)		9.60 UJ
Heptachlor		9.60 UJ
Aldrin		9.60 UJ
Heptachlor epoxide		9.60 UJ
Endosulfan I		9.60 UJ
Dieldrin		19.00 UJ
4,4'-DDE		19.00 UJ
Endrin		19.00 UJ
Endosulfan II		19.00 UJ
4,4'-DDD		19.00 UJ
Endosulfan sulfate		19.00 UJ
4,4'-DDT		19.00 UJ
Methoxychlor		94.00 UJ
Endrin ketone		19.00 UJ
alpha-Chlordane		94.00 UJ
gamma-Chlordane		94.00 UJ
Toxaphene		190.00 UJ
Aroclor-1016		94.00 UJ
Aroclor-1221		94.00 UJ
Aroclor-1232		94.00 UJ
Aroclor-1242		94.00 UJ
Aroclor-1248		94.00 UJ
Aroclor-1254		190.00 UJ
Aroclor-1260		190.00 UJ

SUBSTANCE	Sample Number: SS-026	Measurement Units: ug/Kg
alpha-BHC	AP637	8.80 UJ
beta-BHC		9.00 UJ
delta-BHC		9.00 UJ
gamma-BHC (Lindane)		9.00 UJ
Heptachlor		9.00 UJ
Aldrin		9.00 UJ
Heptachlor epoxide		9.00 UJ
Endosulfan I		9.00 UJ
Dieldrin		18.00 UJ
4,4'-DDE		18.00 UJ
Endrin		18.00 UJ
Endosulfan II		18.00 UJ
4,4'-DDD		18.00 UJ
Endosulfan sulfate		18.00 UJ
4,4'-DDT		18.00 UJ
Methoxychlor		88.00 UJ
Endrin ketone		18.00 UJ
alpha-Chlordane		88.00 UJ
gamma-Chlordane		88.00 UJ
Toxaphene		180.00 UJ
Aroclor-1016		88.00 UJ
Aroclor-1221		88.00 UJ
Aroclor-1232		88.00 UJ
Aroclor-1242		88.00 UJ
Aroclor-1248		88.00 UJ
Aroclor-1254		180.00 UJ
Aroclor-1260		180.00 UJ

Sample Number	GW-062 A0606 MW-5A
Measurement Unit	ug/L
SUBSTANCE	
Chloromethane	10.00 U
Bromomethane	10.00 U
Vinyl Chloride	10.00 U
Chloroethane	10.00 U
Methylene Chloride	5.00 U
Acetone	29.00 U
Carbon Disulfide	5.00 U
1,1-Dichloroethene	5.00 U
1,1-Dichloroethane	5.00 U
1,2-Dichloroethene (total)	5.00 U
Chloroform	5.00 U
1,2-Dichloroethane	5.00 U
2-Butanone	10.00 R
1,1,1-Trichloroethane	5.00 U
Carbon Tetrachloride	5.00 U
Vinyl Acetate	10.00 U
Bromodichloromethane	5.00 U
1,2-Dichloropropane	5.00 U
cis-1,3-Dichloropropene	5.00 U
Trichloroethene	5.00 U
Dibromochloromethane	5.00 U
1,1,2-Trichloroethane	5.00 U
Benzene	5.00 U
Trans-1,3-Dichloropropene	5.00 U
Bromoform	5.00 U
4-Methyl-2-Pentanone	10.00 U
2-Hexanone	10.00 U
Tetrachloroethene	5.00 U
1,1,2,2-Tetrachloroethane	5.00 U
Toluene	5.00 U
Chlorobenzene	5.00 U
Ethylbenzene	5.00 U
Styrene	5.00 U
Total Xylenes	5.00 U

SUBSTANCE	GW-062 40606 Mar-86 ug/L
Sample Number / Measurement Unit:	
Phenol	10.00 U
bis(2-Chloroethyl)Ether	10.00 U
2-Chlorophenol	10.00 U
1,3-Dichlorobenzene	10.00 U
1,4-Dichlorobenzene	10.00 U
Benzyl Alcohol	10.00 U
1,2-Dichlorobenzene	10.00 U
2-Methylphenol	10.00 U
bis(2-Chloroisopropyl)Ether	10.00 U
4-Methylphenol	10.00 U
N-Nitroso-Di-n-Propylamine	10.00 U
Hexachloroethane	10.00 U
Nitrobenzene	10.00 U
Isophorone	10.00 U
2-Nitrophenol	10.00 U
2,4-Dimethylphenol	10.00 U
Benzoic Acid	50.00 U
bis(2-Chloroethoxy)Methane	10.00 U
2,4-Dichlorophenol	10.00 U
1,2,4-Trichlorobenzene	10.00 U
Naphthalene	10.00 U
4-Chloroaniline	10.00 U
Hexachlorobutadiene	10.00 U
4-Chloro-3-Methylphenol	10.00 U
2-Methylnaphthalene	10.00 U
Hexachlorocyclopentadiene	10.00 U
2,4,6-Trichlorophenol	10.00 U
2,4,5-Trichlorophenol	50.00 U
2-Chloronaphthalene	10.00 U
2-Nitroaniline	50.00 U
Dimethyl Phthalate	10.00 U
Acenaphthylene	10.00 U
2,6-Dinitrotoluene	10.00 U
3-Nitroaniline	50.00 U
Acenaphthene	10.00 U
2,4-Dinitrophenol	50.00 U
4-Nitrophenol	50.00 U
Dibenzofuran	10.00 U
2,4-Dinitrotoluene	10.00 U
Diethylphthalate	10.00 U
4-Chlorophenyl-phenylether	10.00 U
Fluorene	10.00 U
4-Nitroaniline	50.00 U
4,6-Dinitro-2-Methylphenol	50.00 U
N-Nitrosodiphenylamine	10.00 U
4-Bromophenyl-phenylether	10.00 U
Hexachlorobenzene	10.00 U
Pentachlorophenol	50.00 U
Phenanthrene	10.00 U
Anthracene	10.00 U
Di-n-Butylphthalate	10.00 U
Fluoranthene	10.00 U
Pyrene	10.00 U
Butylbenzylphthalate	10.00 U
3,3'-Dichlorobenzidine	20.00 U
Benzo(a)Anthracene	10.00 U
Chrysene	10.00 U
bis(2-Ethylhexyl)Phthalate	10.00 U
Di-n-Octyl Phthalate	10.00 U
Benzo(b)Fluoranthene	10.00 U
Benzo(k)Fluoranthene	10.00 U
Benzo(a)Pyrene	10.00 U
ndeno(1,2,3-cd)Pyrene	10.00 U
enzo(a,h)Anthracene	10.00 U
enzo(g,h,i)Perylene	10.00 U

	Sample Number	GW-062 MAN363 MW-8A
	Measurement Units	ug/L
SUBSTANCE		
Aluminum		129000.00
Antimony		35.20
Arsenic		30.80
Barium		706.00
Beryllium		2.20
Cadmium		2.00 U
Calcium		1600000.00
Chromium		288.00
Cobalt		63.70
Copper		168.00
Iron		161000.00 J
Lead		60.70
Magnesium		107000.00
Manganese		3900.00
Mercury		0.32 J
Nickel		227.00
Potassium		20700.00
Selenium		15.00 UJ
Silver		6.00 U
Sodium		53800.00
Thallium		3.00 UJ
Vanadium		396.00
Zinc		477.00
Cyanide		10.00 U

SUBSTANCE	Sample Number	GW-062
	Date of Sampling	A0606
	Measurement Units	MW-8A
		ug/L
alpha-BHC		0.05 U
beta-BHC		0.05 U
delta-BHC		0.05 U
gamma-BHC (Lindane)		0.05 U
Heptachlor		0.05 U
Aldrin		0.05 U
Heptachlor epoxide		0.05 U
Endosulfan I		0.05 U
Dieldrin		0.10 U
4,4'-DDE		0.10 U
Endrin		0.10 U
Endosulfan II		0.10 U
4,4'-DDD		0.10 U
Endosulfan sulfate		0.10 U
4,4'-DDT		0.10 U
Methoxychlor		0.50 U
Endrin ketone		0.10 U
alpha-Chlordane		0.50 U
gamma-Chlordane		0.50 U
Toxaphene		1.00 U
Aroclor-1016		0.50 U
Aroclor-1221		0.50 U
Aroclor-1232		0.50 U
Aroclor-1242		0.50 U
Aroclor-1248		0.50 U
Aroclor-1254		1.00 U
Aroclor-1260		1.00 U

ATTACHMENT 5

Organic and Inorganic Analytical Data for water samples collected by Blodgett in March 1990 from MW-1, MW-2, and MW-3 (see Map 1 in Attachment 8).

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112030

Sample wt/vol: 5.0 (g/mL)ML Lab File ID: D112030I2V

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ Date Analyzed: 03/23/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112030

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D112030I2V

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ Date Analyzed: 03/23/90

Column: (pack/cap) PACK Dilution Factor: 1.0

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.					
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28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name:AQUATEC, INC. Contract:89148

Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112030

Sample wt/vol: 1040 (g/mL)ML Lab File ID: B112030S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	48	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	48	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	48	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112030

Sample wt/vol: 1040 (g/mL)ML Lab File ID: B112030S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	48	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	48	U
100-02-7	4-Nitrophenol	48	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	48	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	48	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	19	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

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-1

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112030

Sample wt/vol: 1040 (g/mL) ML Lab File ID: B112030S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.40	9	J
2.		UNKNOWN	9.58	14	J
3.					
4.					
5.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1RE

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112030R1

Sample wt/vol: 1010 (g/mL) ML Lab File ID: B112030R1S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 04/19/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/19/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1RE

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112030R1

Sample wt/vol: 1010 (g/mL)ML Lab File ID: B112030R1S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 04/19/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/19/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1RE

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112030R1

Sample wt/vol: 1010 (g/mL) ML Lab File ID: B112030R1S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 04/19/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/19/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.63	15	J
2.		UNKNOWN	7.45	15	J
3.					
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112030

Sample wt/vol: 1013 (g/mL)ML Lab File ID: _____

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/26/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.049	U
319-85-7	beta-BHC	0.049	U
319-86-8	delta-BHC	0.049	U
58-89-9	gamma-BHC (Lindane)	0.049	U
76-44-8	Heptachlor	0.049	U
309-00-2	Aldrin	0.049	U
1024-57-3	Heptachlor epoxide	0.049	U
959-98-8	Endosulfan I	0.049	U
60-57-1	Dieldrin	0.099	U
72-55-9	4,4'-DDE	0.099	U
72-20-8	Endrin	0.099	U
33213-65-9	Endosulfan II	0.099	U
72-54-8	4,4'-DDD	0.099	U
1031-07-8	Endosulfan sulfate	0.099	U
50-29-3	4,4'-DDT	0.099	U
72-43-5	Methoxychlor	0.49	U
53494-70-5	Endrin ketone	0.099	U
5103-71-9	alpha-Chlordane	0.49	U
5103-74-2	gamma-Chlordane	0.49	U
8001-35-2	Toxaphene	0.99	U
12674-11-2	Aroclor-1016	0.49	U
11104-28-2	Aroclor-1221	0.49	U
11141-16-5	Aroclor-1232	0.49	U
53469-21-9	Aroclor-1242	0.49	U
12672-29-6	Aroclor-1248	0.49	U
11097-69-1	Aroclor-1254	0.99	U
11096-82-5	Aroclor-1260	0.99	U

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 112030

Matrix (soil/water): WATER Lab Sample ID: 112030

Level (low/med): _____ Date Received: 03/21/90

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	42300			P
7440-36-0	Antimony	60.0	U		F
7440-38-2	Arsenic	17.0		S	F
7440-39-3	Barium	293			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	79300		E	P
7440-47-3	Chromium	71.0			P
7440-48-4	Cobalt	48.7	B		P
7440-50-8	Copper	63.1		E	P
7439-89-6	Iron	80300		E	P
7439-92-1	Lead	19.6			F
7439-95-4	Magnesium	37500			P
7439-96-5	Manganese	11600			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	108			P
7440-09-7	Potassium	9490			P
7782-49-2	Selenium	50.0	U	W	F
7440-22-4	Silver	10.0	U		A
7440-23-5	Sodium	27800			P
7440-28-0	Thallium	10.0	U	W	F
7440-62-2	Vanadium	75.1			P
7440-66-6	Zinc	167			P
	Cyanide	10.0	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112031

Sample wt/vol: 5.0 (g/mL)ML Lab File ID: D112031V

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ Date Analyzed: 03/23/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112031

Sample wt/vol: 5.0 (g/mL)ML Lab File ID: D112031V

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ Date Analyzed: 03/23/90

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112031

Sample wt/vol: 1014 (g/mL) ML Lab File ID: B112031S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	49	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	49	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	49	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112031

Sample wt/vol: 1014 (g/mL)ML Lab File ID: B112031S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	49	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	49	U
100-02-7	4-Nitrophenol	49	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	49	U
534-52-1	4,6-Dinitro-2-methylphenol	49	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	49	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112031

Sample wt/vol: 1014 (g/mL) ML Lab File ID: B112031S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.98	9	JBA
2.					
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112031

Sample wt/vol: 1035 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/26/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.048	U
319-85-7	beta-BHC	0.048	U
319-86-8	delta-BHC	0.048	U
58-89-9	gamma-BHC (Lindane)	0.048	U
76-44-8	Heptachlor	0.048	U
309-00-2	Aldrin	0.048	U
1024-57-3	Heptachlor epoxide	0.048	U
959-98-8	Endosulfan I	0.048	U
60-57-1	Dieldrin	0.097	U
72-55-9	4,4'-DDE	0.097	U
72-20-8	Endrin	0.097	U
33213-65-9	Endosulfan II	0.097	U
72-54-8	4,4'-DDD	0.097	U
1031-07-8	Endosulfan sulfate	0.097	U
50-29-3	4,4'-DDT	0.097	U
72-43-5	Methoxychlor	0.48	U
53494-70-5	Endrin ketone	0.097	U
5103-71-9	alpha-Chlordane	0.48	U
5103-74-2	gamma-Chlordane	0.48	U
8001-35-2	Toxaphene	0.97	U
12674-11-2	Aroclor-1016	0.48	U
11104-28-2	Aroclor-1221	0.48	U
11141-16-5	Aroclor-1232	0.48	U
53469-21-9	Aroclor-1242	0.48	U
12672-29-6	Aroclor-1248	0.48	U
11097-69-1	Aroclor-1254	0.97	U
11096-82-5	Aroclor-1260	0.97	U

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 112030

Matrix (soil/water): WATER Lab Sample ID: 112031

Level (low/med): _____ Date Received: 03/21/90

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26400			P
7440-36-0	Antimony	60.0	U		F
7440-38-2	Arsenic	14.4		S	F
7440-39-3	Barium	259			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	37400		E	P
7440-47-3	Chromium	42.5			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	58.3		E	P
7439-89-6	Iron	44100		E	P
7439-92-1	Lead	16.5			F
7439-95-4	Magnesium	29500			P
7439-96-5	Manganese	734			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	65.7			P
7440-09-7	Potassium	6950			P
7782-49-2	Selenium	50.0	U	W	F
7440-22-4	Silver	10.0	U		A
7440-23-5	Sodium	19300			P
7440-28-0	Thallium	10.0	U	W	F
7440-62-2	Vanadium	53.4			P
7440-66-6	Zinc	101			P
_____	Cyanide	10.0	U		
_____					

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112032

Sample wt/vol: 5.0 (g/mL)ML Lab File ID: C112032I2V

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ Date Analyzed: 03/27/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	BJ
67-64-1	Acetone	6	BJ
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112032

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C112032I2V

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ Date Analyzed: 03/27/90

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112032

Sample wt/vol: 1021 (g/mL)ML Lab File ID: B112032S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/26/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
108-95-2	Phenol		
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol		
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol		
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol		
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol		
105-67-9	2,4-Dimethylphenol		
65-85-0	Benzoic acid		
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol		
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
59-50-7	4-Chloro-3-methylphenol		
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol		
95-95-4	2,4,5-Trichlorophenol		
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	49	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112032

Sample wt/vol: 1021 (g/mL)ML Lab File ID: B112032S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/26/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	49	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol		
100-02-7	4-Nitrophenol		
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	49	U
534-52-1	4,6-Dinitro-2-methylphenol		
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol		
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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112032

Sample wt/vol: 1021 (g/mL)ML Lab File ID: B112032S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/26/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3RE

b Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112032R1

Sample wt/vol: 990.0 (g/mL)ML Lab File ID: B112032R1S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 04/17/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	51	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	51	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3RE

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: 112032

Sample wt/vol: 990.0 (g/mL) ML Lab File ID: B112032R1S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 04/17/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	51	U
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	51	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

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-3RE

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112032R1

Sample wt/vol: 990.0 (g/mL)ML Lab File ID: B112032R1S

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 04/17/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/18/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: 112032

Sample wt/vol: 1015 (g/mL)ML Lab File ID: _____

Level: (low/med) LOW Date Received: 03/21/90

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/26/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
319-84-6	alpha-BHC	0.049	U
319-85-7	beta-BHC	0.049	U
319-86-8	delta-BHC	0.049	U
58-89-9	gamma-BHC (Lindane)	0.049	U
76-44-8	Heptachlor	0.049	U
309-00-2	Aldrin	0.049	U
1024-57-3	Heptachlor epoxide	0.049	U
959-98-8	Endosulfan I	0.049	U
60-57-1	Dieldrin	0.099	U
72-55-9	4,4'-DDE	0.099	U
72-20-8	Endrin	0.099	U
33213-65-9	Endosulfan II	0.099	U
72-54-8	4,4'-DDD	0.099	U
1031-07-8	Endosulfan sulfate	0.099	U
50-29-3	4,4'-DDT	0.099	U
72-43-5	Methoxychlor	0.49	U
53494-70-5	Endrin ketone	0.099	U
5103-71-9	alpha-Chlordane	0.49	U
5103-74-2	gamma-Chlordane	0.49	U
8001-35-2	Toxaphene	0.99	U
12674-11-2	Aroclor-1016	0.49	U
11104-28-2	Aroclor-1221	0.49	U
11141-16-5	Aroclor-1232	0.49	U
53469-21-9	Aroclor-1242	0.49	U
12672-29-6	Aroclor-1248	0.49	U
11097-69-1	Aroclor-1254	0.99	U
11096-82-5	Aroclor-1260	0.99	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKX2

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: CJXB002EV

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CJXB002EV

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ Date Analyzed: 03/27/90

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1.75-71-8	DICHLORODIFLUOROMETHANE	1.90	18	J
2.	2.75-28-5	2-METHYLPROPANE	4.05	7	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKV9

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: DKSB001CV

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: DKSB001CV

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ Date Analyzed: 03/23/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKV9

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: DKSB001CV

Sample wt/vol: 5.0 (g/mL)ML Lab File ID: DKSB001CV

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ Date Analyzed: 03/23/90

Column: (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKK8

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0326K8S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0326K8S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/17/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKK8

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0326K8S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0326K8S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/17/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKK8

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0326K8S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0326K8S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/17/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	6.07	26	JA
2.					
3.					
4.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKP7

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0417P7S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0417P7S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 04/17/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/17/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKP7

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0417P7S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0417P7S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 04/17/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/17/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	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

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 112030

Matrix (soil/water): WATER Lab Sample ID: 112032

Level (low/med): _____ Date Received: 03/21/90

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	143000			P
7440-36-0	Antimony	60.0	U		F
7440-38-2	Arsenic	76.4			F
7440-39-3	Barium	509			P
7440-41-7	Beryllium	5.8			P
7440-43-9	Cadmium	25.5			P
7440-70-2	Calcium	187000		E	P
7440-47-3	Chromium	233			P
7440-48-4	Cobalt	131			P
7440-50-8	Copper	302		E	P
7439-89-6	Iron	280000		E	P
7439-92-1	Lead	136			F
7439-95-4	Magnesium	129000			P
7439-96-5	Manganese	6900			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	342			P
7440-09-7	Potassium	28800			P
7782-49-2	Selenium	50.0	U	W	F
7440-22-4	Silver	10.0	U		A
7440-23-5	Sodium	67700			P
7440-28-0	Thallium	10.0	U	W	F
7440-62-2	Vanadium	250			P
7440-66-6	Zinc	679			P
	Cyanide	10.0	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKX2

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: CJXB002EV

Sample wt/vol: 5.0 (g/mL)ML Lab File ID: CJXB002EV

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ Date Analyzed: 03/27/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKP7

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0417P7S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0417P7S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 04/17/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/17/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.98	12	JA
2.					
3.					
4.					
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7.					
8.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKQ3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0419Q3S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0419Q3S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 04/19/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/19/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	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
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKQ3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0419Q3S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0419Q3S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 04/19/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/19/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	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

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKQ3

Lab Name:AQUATEC, INC. Contract:89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water)WATER Lab Sample ID: BB0419Q3S

Sample wt/vol: 1000 (g/mL)ML Lab File ID: BB0419Q3S

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec._____ dec._____ Date Extracted: 04/19/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/19/90

GPC Cleanup: (Y/N)N pH:____ Dilution Factor: 1.0

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	6.02	22	JA
2.					
3.					
4.					
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7.					
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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKV1

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 11203

Matrix: (soil/water) WATER Lab Sample ID: PBLKV1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: _____

% Moisture: not dec._____ dec._____ Date Extracted: 03/26/90

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/26/90

GPC Cleanup: (Y/N) N pH:____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBW

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 20601 SAS No.: _____ SDG No.: 112030

Matrix (soil/water): WATER Lab Sample ID: 112030PB

Level (low/med): _____ Date Received: -

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	11.0	U		F
7440-38-2	Arsenic	3.7	U		F
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	4.3	U		P
7440-70-2	Calcium	309	U	E	P
7440-47-3	Chromium	7.1	U		P
7440-48-4	Cobalt	13.3	U		P
7440-50-8	Copper	8.1	U	E	P
7439-89-6	Iron	19.3	U	E	P
7439-92-1	Lead	4.6	U		F
7439-95-4	Magnesium	271	U		P
7439-96-5	Manganese	2.9	U		P
7439-97-6	Mercury	0.18	U		CV
7440-02-0	Nickel	18.5	U		P
7440-09-7	Potassium	464	U		P
7782-49-2	Selenium	1.5	U		F
7440-22-4	Silver	10.0	U		A
7440-23-5	Sodium	362	U		P
7440-28-0	Thallium	2.8	U		F
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	7.2	U		P
_____	Cyanide	10.0	U		
_____					

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

ATTACHMENT 6

Organic and Inorganic Analytical Data for water collected by Metcalf and Eddy in November 1990 from BL-1 (see Map 2 in Attachment 8).

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
J.F. KENNEDY FEDERAL BUILDING, BOSTON, MASSACHUSETTS 02203-2211

May 6, 1991

Mr. Craig Campbell
Gaston & Snow
One Federal Street
Boston, MA 02110-2099

Dear Mr. Campbell:

As requested, please find the validated analytical data for samples collected from the Blodgett property in Burlington, Vermont. The samples were collected by Metcalf & Eddy during the Fall 1990 field season.

Most of the data was analyzed in an off-site using the Contract Laboratory Program (CLP), However, some data was generated by use of a field laboratory which provided EPA will quicker results needed in the field. Additionally, some samples were finger printed to distinguish between fuel oil and coal tar PAHs contamination.

If you have any questions, please feel free to call me at (617) 573-5766.

Sincerely,

Ross L. Gilleland, RPM
ME & VT Superfund Section

Enclosure

cc: Margery Adams, ORC

Flag for Analytical Results

J - Quantitation is estimated

NA - Not analyzed

R - Value is rejected

U - Analyte was not detected

UJ - Undetected and reporting limit is estimated

UR - Undetected, but result i rejected

MNV - Analyte not included in method

PINE STREET GROUNDWATER
ANALYTICAL DATA
(RI FIELD INVESTIGATION–FALL 1990)

	LOCATION NAME:	BL-1	
	BEGINNING DEPTH:	8.0	
	ENDING DEPTH:	18.0	
	STRATA TYPE:	MH	
	M&E SAMPLE ID:	PRBL-01-0-0-AQN	
	DATE SAMPLED:	11/20/90	
VOLATILE ORGANICS	CRQL		
Chloromethane	10	10.00	U
Bromomethane	10	10.00	U
Vinyl Chloride	10	10.00	U
Chloroethane	10	10.00	U
Methylene Chloride	5	5.00	U
Acetone	10	10.00	U
Carbon Disulfide	5	5.00	U
1,1-Dichloroethene	5	5.00	U
1,1-Dichloroethane	5	5.00	U
1,2-Dichloroethene(total)	5	5.00	U
Chloroform	5	5.00	U
1,2-Dichloroethane	5	5.00	U
2-Butanone	10	10.00	U
1,1,1-Trichloroethane	5	5.00	U
Carbon Tetrachloride	5	5.00	U
Vinyl Acetate	10	10.00	U
Bromodichloromethane	5	5.00	U
1,2-Dichloropropane	5	5.00	U
cis-1,3-Dichloropropene	5	5.00	U
Trichloroethene	5	5.00	U
Dibromochloromethane	5	5.00	U
1,1,2-Trichloroethane	5	5.00	U
Benzene	5	5.00	U
trans-1,3-Dichloropropene	5	5.00	U
Bromoform	5	5.00	U
4-Methyl-2-pentanone	10	10.00	U
2-Hexanone	10	10.00	U
Tetrachloroethene	5	5.00	U
1,1,2,2-Tetrachloroethane	5	5.00	U
Toluene	5	5.00	U
Chlorobenzene	5	5.00	U
Ethylbenzene	5	5.00	U
Styrene	5	5.00	U
Total Xylenes	5	5.00	U
VOLATILE ORGANICS	CLP SAMPLE ID:	5777A-35	
VOLATILE ORGANICS	ATE ANALYZED:	11/22/90	
METALS,TOTAL	CDL		
Aluminum	200	51300.00	
Antimony	60	35.00	U
Arsenic	10	20.00	
Barium	200	265.00	
Beryllium	5	5.00	U
Cadmium	5	5.00	U
Calcium	5000	74700.00	
Chromium	10	104.00	
Cobalt	50	58.50	
Copper	25	98.70	
Iron	100	107000.00	
Lead	5	2.00	U
Magnesium	5000	41800.00	
Manganese	15	11200.00	
Mercury	0.2	0.20	U
Nickel	40	141.00	
Potassium	5000	7840.00	
Selenium	5	3.00	UJ
Silver	10	9.00	UJ
Sodium	5000	25300.00	
Thallium	10	4.00	UJ
Vanadium	50	96.60	
Zinc	20	301.00	
METALS, TOTAL	CLP SAMPLE ID:	5836A-18	
METALS, TOTAL	ATE ANALYZED:	12/04/90	

PINE STREET GROUNDWATER
ANALYTICAL DATA
(RI FIELD INVESTIGATION–FALL 1990)

	LOCATION NAME:	BL-1		
	BEGINNING DEPTH:	8.0		
	ENDING DEPTH:	18.0		
	STRATA TYPE:	MH		
	M&E SAMPLE ID:	PRBL-01-0-0-AON		
	DATE SAMPLED:	11/20/90		
PAH, Total	CDL (ug/L)			
Naphthalene		3.85	U	
2-Methylnaphthalene		MNU		
1-Methylnaphthalene		MNU		
Acenaphthylene		6.94	U	
Acenaphthene		3.50	U	
Fluorene		0.27	U	
Phenanthrene		0.23	U	
Anthracene		0.21	U	
Fluoranthene		0.28	U	
Pyrene		0.13	U	
Benzo(a)anthracene		0.12	U	
Chrysene		0.12	U	
Benzo(b)fluoranthene		0.23	U	
Benzo(k)fluoranthene		0.12	U	
Benzo(a)pyrene		0.22	UJ	
Dibenz(a,h)anthracene		0.38	U	
Benzo(g,h,i)perylene		0.52	U	
Indeno(1,2,3-cd)pyrene		0.16	UJ	
Total PAH		0.00		
Total Carcinogenic PAH		0.00		
PAH, Total	CLP SAMPLE ID:	NONE		
PAH, Total	ATE ANALYZED:	11/23/90		
PAH,Dissolved				
Naphthalene		3.85	U	
2-Methylnaphthalene		MNU		
1-Methylnaphthalene		MNU		
Acenaphthylene		6.94	U	
Acenaphthene		3.50	U	
Fluorene		0.27	U	
Phenanthrene		0.23	U	
Anthracene		0.21	U	
Fluoranthene		0.28	U	
Pyrene		0.13	U	
Benzo(a)anthracene		0.12	U	
Chrysene		0.12	U	
Benzo(b)fluoranthene		0.23	U	
Benzo(k)fluoranthene		0.12	U	
Benzo(a)pyrene		0.22	UJ	
Dibenz(a,h)anthracene		0.38	U	
Benzo(g,h,i)perylene		0.52	U	
Indeno(1,2,3-cd)pyrene		0.16	UJ	
Total PAH		0.00	J	
Total Carcinogenic PAH		0.00		
PAH,Dissolved	CLP SAMPLE ID:	NONE		
PAH,Dissolved	ATE ANALYZED:	11/23/90		

PINE STREET GROUNDWATER
ANALYTICAL DATA
(RI FIELD INVESTIGATION-FALL 1990)

LOCATION NAME:		BL-1	
BEGINNING DEPTH:		8.0	
ENDING DEPTH:		18.0	
STRATA TYPE:		MH	
M&E SAMPLE ID:		PRBL-01-0-0-AON	
DATE SAMPLED:		11/20/90	
METALS,DISSOLVED	CDL		
Aluminum	200	1040.00	
Antimony	60	35.00	U
Arsenic	10	3.30	
Barium	200	21.60	
Beryllium	5	5.00	U
Cadmium	5	5.00	UJ
Calcium	5000	65000.00	
Chromium	10	7.00	UJ
Colbalt	50	14.80	
Copper	25	22.00	UJ
Iron	100	11200.00	J
Lead	5	2.00	U
Magnesium	5000	17200.00	
Manganese	15	9640.00	
Mercury	0.2	0.20	U
Nickel	40	34.00	U
Potassium	5000	1270.00	J
Selenium	5	3.00	UJ
Silver	10	9.00	UJ
Sodium	5000	28600.00	
Thallium	10	4.00	UJ
Vanadium	50	22.00	U
Zinc	20	21.80	UJ
METALS,DISSOLVED	CLP SAMPLE ID:	5836A18	
METALS,DISSOLVED	ATE ANALYZED:	12/02/90	
WATER QUALITY PARAMETER	(mg/L)*		
Cyanide,Amendable		10.00	U
Cyanide,Total		10.00	U
Sulfide		1.00	U
Sulfate,Total		57.10	
Sulfate,Dissolved		72.00	
Nitrate-Nitrite		1.18	U
Chloride		24.70	
Alkalinity		209.50	
Chemical Oxygen Demand		62.70	
Biological Oxygen Demand		18.00	
Total Organic Carbon(1)		134.40	
Total Organic Carbon(2)		135.50	
WATER QUALITY PARAMETER	CLP SAMPLE ID:	5836A-18	
WATER QUALITY PARAMETER	ATE ANALYZED:	11/23/90	

ATTACHMENT 7

Organic and Inorganic Analytical Data for water collected by Blodgett in November 1990 from BL-1 (see Map 2 in Attachment 8). Note: PAH data were obtained by GC and HPLC for improved sensitivity.

ANALYTICAL RESULTS

aquatec
ENVIRONMENTAL SERVICES
75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PRBL-01-0-0

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 12463

Matrix: (soil/water) WATER Lab Sample ID: 124636

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D124636I2V

Level: (low/med) LOW Date Received: 11/21/90

% Moisture: not dec._____ Date Analyzed: 11/27/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	4	J
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PRBL-01-0-0

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 12463

Matrix: (soil/water) WATER Lab Sample ID: 124636

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: D124636I2V

Level: (low/med) LOW Date Received: 11/21/90

% Moisture: not dec._____ Date Analyzed: 11/27/90

Column: (pack/cap) PACK Dilution Factor: 1.0

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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28.					
29.					
30.					

1

EPA SAMPLE NO.

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS DATA SHEET

MW1:(WATER)

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix: (soil/water) WATER Lab Sample ID: 124636

Sample wt/vol: 1002 (g/mL) ML Lab File ID: AJ121014

Level: (low/med) low Date Received: 11/21/90

% Moisture: not dec. _____ dec. _____ Date Extracted: 11/26/90

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 12/11/90

Silica Gel Cleanup (Y/N) Y pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	Naphthalene	5.0	U
208-96-8	Acenaphthylene	5.0	U
83-32-9	Acenaphthene	5.0	U
86-73-7	Fluorene	5.0	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-0	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenz(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

1

EPA SAMPLE NO.

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS DATA SHEET

MW1:(FILTRATE)

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix: (soil/water) WATER Lab Sample ID: 124637

Sample wt/vol: 857 (g/mL) ML Lab File ID: AJ121015

Level: (low/med) low Date Received: 11/21/90

% Moisture: not dec. _____ dec. _____ Date Extracted: 11/26/90

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 12/11/90

Silica Gel Cleanup (Y/N) Y pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	Naphthalene	5.8	U
208-96-8	Acenaphthylene	5.8	U
83-32-9	Acenaphthene	5.8	U
86-73-7	Fluorene	5.8	U
85-01-8	Phenanthrene	5.8	U
120-12-7	Anthracene	5.8	U
206-44-0	Fluoranthene	5.8	U
129-00-0	Pyrene	5.8	U
56-55-3	Benzo(a)anthracene	5.8	U
218-01-9	Chrysene	5.8	U
205-99-2	Benzo(b)fluoranthene	5.8	U
207-08-0	Benzo(k)fluoranthene	5.8	U
50-32-8	Benzo(a)pyrene	5.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.8	U
53-70-3	Dibenz(a,h)anthracene	5.8	U
191-24-2	Benzo(g,h,i)perylene	5.8	U

1

EPA SAMPLE NO.

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS DATA SHEET

MW1:(WATER)

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix: (soil/water) WATER Lab Sample ID: 124636

Sample wt/vol: 1002 (g/mL) ML Lab File ID: RUN #215

Level: (low/med) low Date Received: 11/21/90

% Moisture: not dec. _____ dec. _____ Date Extracted: 11/26/90

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 12/15/90

Silica Gel Cleanup (Y/N) Y pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-55-3	Benzo(a)anthracene	0.1	U
218-01-9	Chrysene	0.1	U
205-99-2	Benzo(b)fluoranthene	0.1	U
207-08-0	Benzo(k)fluoranthene	0.1	U
50-32-8	Benzo(a)pyrene	0.1	U
53-70-3	Dibenz(a,h)anthracene	0.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.1	U

1

POLYNUCLEAR AROMATIC HYDROCARBONS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1:(FILTRATE)

Lab Name: Aquatec, Inc. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix: (soil/water) WATER Lab Sample ID: 124637

Sample wt/vol: 857 (g/mL) ML Lab File ID: RUN #216

Level: (low/med) low Date Received: 11/21/90

% Moisture: not dec. _____ dec. _____ Date Extracted: 11/26/90

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 12/15/90

Silica Gel Cleanup (Y/N) Y pH: ____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-55-3	Benzo(a)anthracene	0.1	U
218-01-9	Chrysene	0.1	U
205-99-2	Benzo(b)fluoranthene	0.1	U
207-08-0	Benzo(k)fluoranthene	0.1	U
50-32-8	Benzo(a)pyrene	0.1	U
53-70-3	Dibenz(a,h)anthracene	0.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.1	U

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: PRBL0100

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix (soil/water): WATER Lab Sample ID: 124636

Level (low/med): _____ Date Received: 11/21/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	71800			P
7440-36-0	Antimony	60.0	U	N	P
7440-38-2	Arsenic	18.7		NS	F
7440-39-3	Barium	345			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	14.8			P
7440-70-2	Calcium	80900			P
7440-47-3	Chromium	124			P
7440-48-4	Cobalt	73.6			P
7440-50-8	Copper	104			P
7439-89-6	Iron	127000			P
7439-92-1	Lead	26.2		S	F
7439-95-4	Magnesium	46900			P
7439-96-5	Manganese	14000			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	151			P
7440-09-7	Potassium	14000			P
7782-49-2	Selenium	50.0	U	N	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	26500			P
7440-28-0	Thallium	10.0	U	N	F
7440-62-2	Vanadium	131			P
7440-66-6	Zinc	270			P
	Cyanide	10.0	U		C
Cyanide Amenable to Cl2		10.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PRBL0100D

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix (soil/water): WATER Lab Sample ID: 124636DP

Level (low/med): _____ Date Received: 11/21/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	72800			P
7440-36-0	Antimony	60.0	U	N	P
7440-38-2	Arsenic	20.9		NS	F
7440-39-3	Barium	354			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	13.1			P
7440-70-2	Calcium	82900			P
7440-47-3	Chromium	126			P
7440-48-4	Cobalt	70.8			P
7440-50-8	Copper	98.0			P
7439-89-6	Iron	135000			P
7439-92-1	Lead	25.7		S	F
7439-95-4	Magnesium	48800			P
7439-96-5	Manganese	14300			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	166			P
7440-09-7	Potassium	14400			P
7782-49-2	Selenium	50.0	U	N	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	27100			P
7440-28-0	Thallium	10.0	U	N	F
7440-62-2	Vanadium	130			P
7440-66-6	Zinc	273			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PRBL0100S

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix (soil/water): WATER Lab Sample ID: 124636MS

Level (low/med): _____ Date Received: 11/21/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	71300			P
7440-36-0	Antimony	325		N	P
7440-38-2	Arsenic	42.8		NS	F
7440-39-3	Barium	2150			P
7440-41-7	Beryllium	48.5			P
7440-43-9	Cadmium	60.4			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	306			P
7440-48-4	Cobalt	538			P
7440-50-8	Copper	334			P
7439-89-6	Iron	131000			P
7439-92-1	Lead	47.2		S	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese	15000			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	598			P
7440-09-7	Potassium				NR
7782-49-2	Selenium	10.0		NW	F
7440-22-4	Silver	52.2			P
7440-23-5	Sodium				NR
7440-28-0	Thallium	33.2		N	F
7440-62-2	Vanadium	577			P
7440-66-6	Zinc	696			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: PRBL0100Fil

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix (soil/water): WATER Lab Sample ID: 124637

Level (low/med): _____ Date Received: 11/21/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U	N	P
7440-38-2	Arsenic	10.0	U	N	F
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	70600			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	12700			P
7439-92-1	Lead	4.0		S	F
7439-95-4	Magnesium	17500			P
7439-96-5	Manganese	12200			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U	NW	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	28000			P
7440-28-0	Thallium	10.0	U	N	F
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: PBW

Lab Name: AQUATEC, INC. Contract: 89148

Lab Code: AQUAI Case No.: 24056 SAS No.: _____ SDG No.: 124636

Matrix (soil/water): WATER Lab Sample ID: prepblank

Level (low/med): _____ Date Received: _____

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	51.6	U		P
7440-36-0	Antimony	44.5	U	N	P
7440-38-2	Arsenic	3.1	U	N	F
7440-39-3	Barium	79.8	U		P
7440-41-7	Beryllium	2.1	B		P
7440-43-9	Cadmium	4.5	U		P
7440-70-2	Calcium	-888	B		P
7440-47-3	Chromium	5.6	U		P
7440-48-4	Cobalt	16.1	U		P
7440-50-8	Copper	8.5	U		P
7439-89-6	Iron	-20.6	B		P
7439-92-1	Lead	0.80	U		F
7439-95-4	Magnesium	-358	B		P
7439-96-5	Manganese	2.1	U		P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	12.6	U		P
7440-09-7	Potassium	445	B		P
7782-49-2	Selenium	1.4	U	N	F
7440-22-4	Silver	8.7	U		P
7440-23-5	Sodium	318	U		P
7440-28-0	Thallium	1.5	U	N	F
7440-62-2	Vanadium	8.0	U		P
7440-66-6	Zinc	5.8	U		P
	Cyanide	10.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

QUALIFIERS FOR METALS ANALYSIS

E - The reported value is estimated because of the presence of interference.

M - Duplicate injection precision not met.

N - Matrix spiked sample recovery not within control limits.

S - The reported value was determined by the Method of Standard Additions.

+ - Correlation coefficient for the MSA is less than 0.995.

W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

* - Duplicate analysis not within control limits.

Concentration Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, less than CRDL.

aquatec
ENVIRONMENTAL SERVICES
75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

ANALYTICAL REPORT

Date: 7 January 1991
Project No: 89148
ETR No: 24056
Sample(s) Received On: 21 November 1990
Page 1 of 1

Blodgett Oven Company, Inc.

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Parameter	PBLK							
Nitrate-Nitrite N	<0.01							
TOC	<0.5							
BOD	<0.2							
Sulfate	<1							

Lab No.	Sample Description
PBLK.	Prep blank.

000010

Submitted By: Neal E. VanWyck

Aquatec Inc.

aquatec
ENVIRONMENTAL SERVICES
75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802 658-1074

ANALYTICAL REPORT

Blodgett Oven Company, Inc.
50 Lakeside Avenue
P.O. Box 586
Burlington, VT 05402

Attention : Mr. Jim Robear

Date : 01/07/91
ETR Number : 24056
Project No.: 89148
No. Samples: 5
Arrived : 11/21/90
P.O. Number: 28554

SDG:124636

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

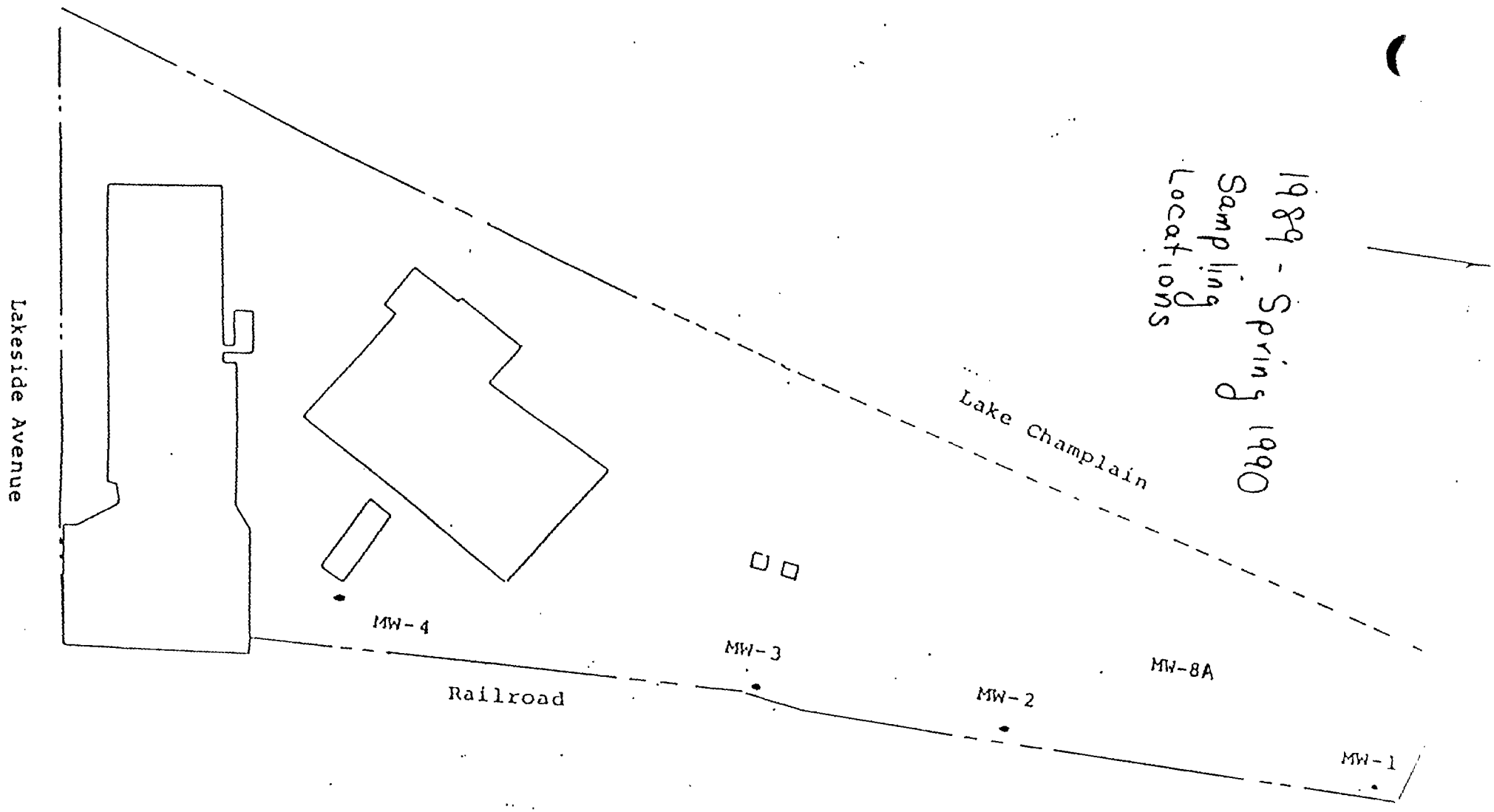
Lab No./ Method No.	Sample Description/ Parameter	Result
124636	PRBL-01-0-0-AQN MW1: (Water)	
310.1	Alkalinity (as CaCO3)	238
325.3	Chloride	17.5
353.3	Nitrate/Nitrite Nitrogen	<0.01
375.4	Sulfate	53
376.2	Sulfide	<0.05
405.1	BOD5	0.75
410.1	Chemical Oxygen Demand	34.6
415.1	Organic Carbon, Total	12.7
124637	PRBL-01-0-0-AQN MW1: (Filtrate)	
375.4	Sulfate	53

000011

Submitted By : Neal E. VanWyck

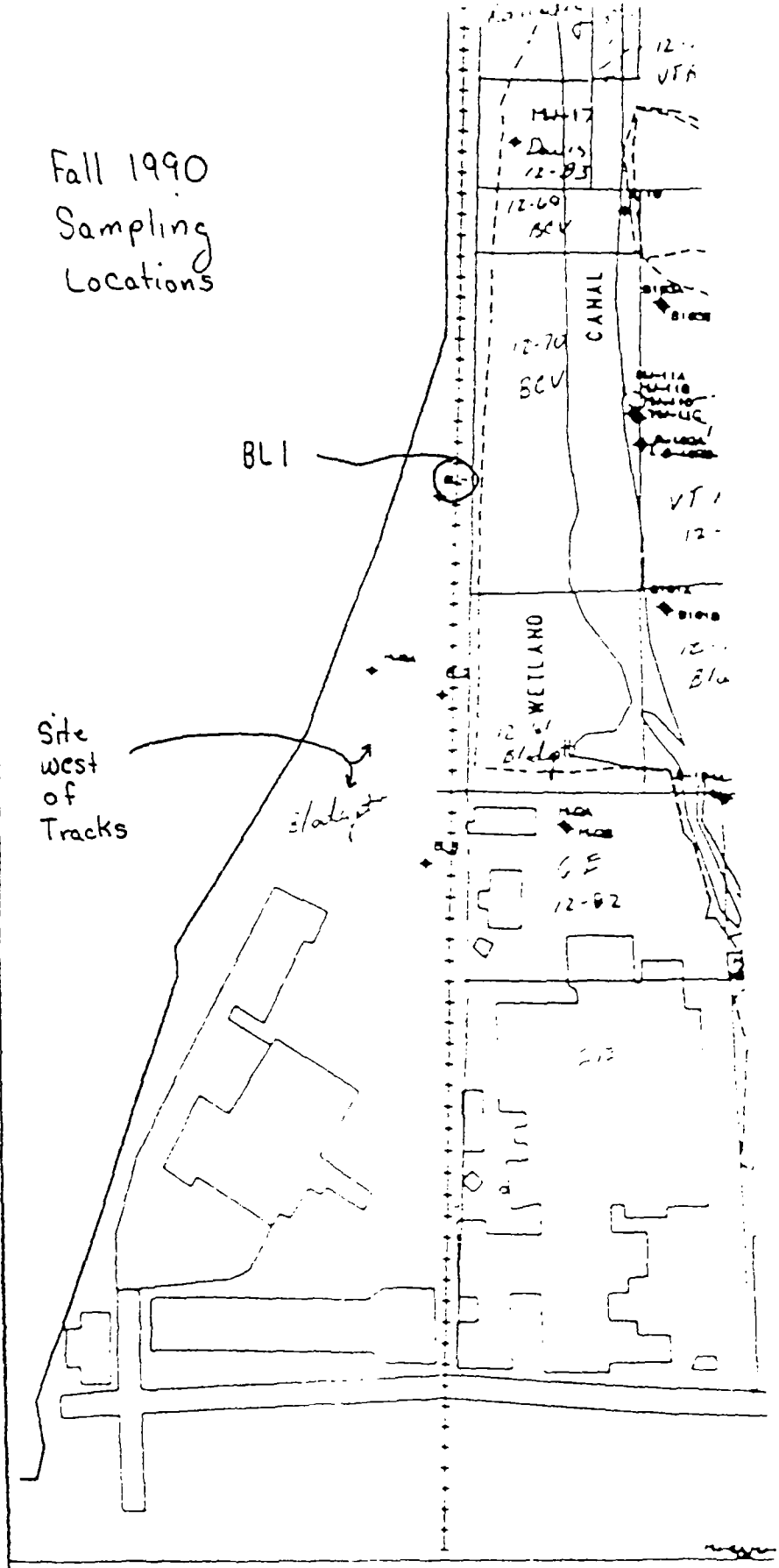
Aquatec Inc.

Attachment 8 Site Maps and Sample Locations

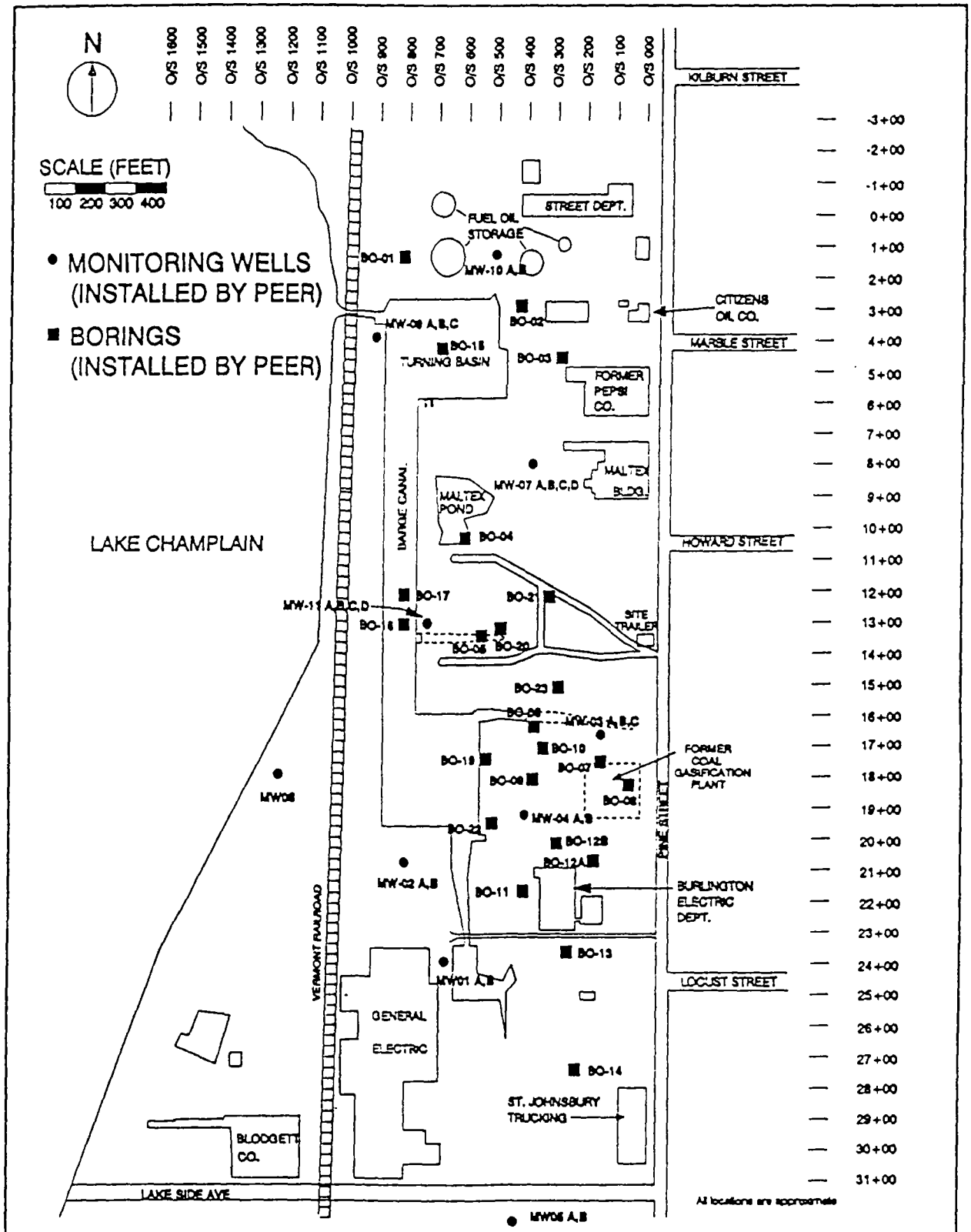


BLODGETT OVEN COMPANY
SKETCH MAP

No Scale


Fall 1990
Sampling
Locations
BL1
Site
west
of
Tracks
CANAL
WETLAND

Map 2

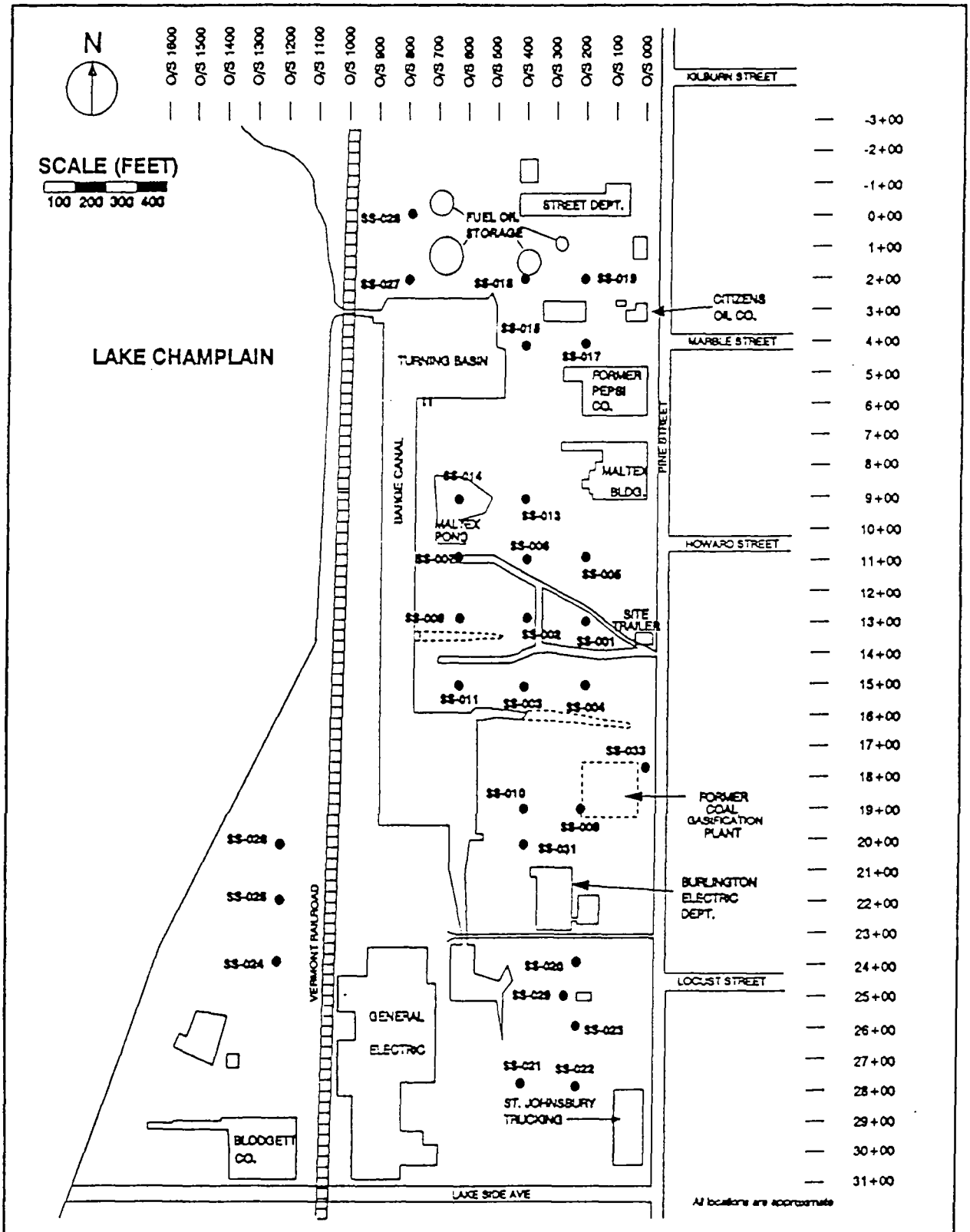


ALL PEER INSTALLED ONSITE MONITORING WELL AND BORING LOCATIONS

PINE STREET CANAL SITE

FIG. 2-8

Map 3



SYSTEMATIC SURFACE SOIL SAMPLING LOCATIONS

PINE STREET CANAL SITE

FIG. 2-5

Map 4