REPORT

Remedial Investigation Report

Volume III of V

M. Wallace and Son, Inc. Scrapyard
Cobleskill, New York

Niagara Mohawk Power Corporation
Syracuse, New York

July 1995
Revised March 1996

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Report

Remedial Investigation Report

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M. Wallace and Son, Inc. Scrapyard Cobleskill, New York

Niagara Mohawk Power Corporation
Syracuse, New York

July 1995
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BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

6723 Towpath Road
Syracuse, New York 13214
(315) 446-9120

Appendix L

Validated Laboratory Data Summary Forms

Surface Soil

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184884

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184884S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 26   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	70	J
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	530	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184884

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184884S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	240	J
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	380	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	2300	
120-12-7	Anthracene	680	
86-74-8	Carbazole	400	J
84-74-2	Di-n-Butylphthalate	440 ~~210~~	~~J~~ u
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	2000	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	1300	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)Phthalate	440 ~~610~~	u
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	1200	
207-08-9	Benzo(k)Fluoranthene	930	
50-32-8	Benzo(a)Pyrene	1100	
193-39-5	Indeno(1,2,3-cd)Pyrene	430	J
53-70-3	Dibenz(a,h)Anthracene	190	J
191-24-2	Benzo(g,h,i)Perylene	240	J

JSB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS1S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184884

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184884S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.65~~	~~7700~~	~~BJXNA~~
2.		UNKNOWN ALIPHATIC	29.28	480	JX
3.	57-10-3	HEXADECANOIC ACID	33.02	940	JXN
4.	2531-84-2	PHENANTHRENE, 2-METHYL-	33.13	310	JXN
5.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	33.45	650	JXN
6.		UNKNOWN POLYCYCLIC HYDROCARB	34.43	290	JX
7.	57-11-4	OCTADECANOIC ACID	35.57	480	JXN
8.	238-84-6	11H-BENZO[A]FLUORENE	37.28	530	JXN
9.	243-17-4	11H-BENZO[B]FLUORENE Unknown	37.48	340	JXN
10.	646-13-9	OCTADECANOIC ACID, ~~2-METHYLP~~	38.22	390	JX~~N~~
11.		~~UNKNOWN HEXANEDIOATE~~	~~38.42~~	~~4400~~	~~JXB~~ R
12.	78-42-2	PHOSPHORIC ACID, TRIS(2-ETHY	39.15	1200	JXN
13.	629-99-2	~~PENTACOSANE~~ Unknown alkane	39.42	340	JX~~N~~
14.		UNKNOWN C18H12-PAH	40.57	400	JX
15.	593-49-7	HEPTACOSANE W/ C19H14-PAH	41.50	580	JXNZ
16.		UNKNOWN ALKANAL W/ SEPTUM BL	43.15	380	JXZ
17.	630-03-5	~~NONACOSANE~~ Unknown alkane	43.85	930	JX~~N~~
18.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~44.90~~	~~350~~	~~JXNY~~
19.	192-97-2	BENZO[E]PYRENE	45.10	1100	JXN
20.	198-55-0	PERYLENE	45.67	370	JXN
21.		UNKNOWN ~~C31~~ ALKANE	46.93	970	JX

JBB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184884

Phase Weight: 30.1 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 5.0 Date Analyzed: 06/12/93

% Solids: 74 Sulfur Clean-up: N (Y/N)

pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	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	590	J
11096-82-5	Aroclor-1260	360	NJ

J60

FORM I HCA

Rev. 9/88

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS1S

Lab Name: AQUATEC________________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36905_

Matrix (soil/water): SOIL_ Lab Sample ID: 184884____

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _73.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200			P
7440-36-0	Antimony	172		~~N~~ J	P
7440-38-2	Arsenic	11.2		~~N~~ J	F
7440-39-3	Barium	285			P
7440-41-7	Beryllium	0.80	B		P
7440-43-9	Cadmium	8.0			P
7440-70-2	Calcium	15400		~~*~~ J	P
7440-47-3	Chromium	98.2		~~N~~ J	P
7440-48-4	Cobalt	13.7			P
7440-50-8	Copper	317			P
7439-89-6	Iron	63500			P
7439-92-1	Lead	851		~~N*~~ J	P
7439-95-4	Magnesium	3940			P
7439-96-5	Manganese	923			P
7439-97-6	Mercury	0.38		~~N~~ J	CV
7440-02-0	Nickel	77.6		*	P
7440-09-7	Potassium	1880			P
7782-49-2	Selenium	0.30	U	~~N~~ J	F
7440-22-4	Silver	0.98	B	~~N~~ J	P
7440-23-5	Sodium	113	U		P
7440-28-0	Thallium	0.69	U		F
7440-62-2	Vanadium	29.6			P
7440-66-6	Zinc	883		~~N*~~ J	P
	Cyanide	0.81	U		C

JBB

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2S

Lab Name: AQUATEC INC   Contract: 93208

o Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184356

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: A184356D2S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 21   decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 8.3

GPC Cleanup: (Y/N) Y   pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)Ether	3500	U
95-57-8	2-Chlorophenol	3500	U
541-73-1	1,3-Dichlorobenzene	3500	U
106-46-7	1,4-Dichlorobenzene	3500	U
95-50-1	1,2-Dichlorobenzene	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3500	U
106-44-5	4-Methylphenol	3500	U
621-64-7	N-Nitroso-Di-n-Propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)Methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
120-82-1	1,2,4-Trichlorobenzene	3500	U
91-20-3	Naphthalene	1500	J
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
59-50-7	4-Chloro-3-Methylphenol	3500	U
91-57-6	2-Methylnaphthalene	570	J
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	8400	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	8400	U
131-11-3	Dimethylphthalate	3500	U
208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	8400	U
83-32-9	Acenaphthene	4000	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184356

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A184356D2S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 8.3

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	8400	U
100-02-7	4-Nitrophenol	8400	~~U~~ UJ
132-64-9	Dibenzofuran	1600	J
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	2800	J
100-01-6	4-Nitroaniline	8400	U
534-52-1	4,6-Dinitro-2-methylphenol	8400	U
86-30-6	N-Nitrosodiphenylamine (1)	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
87-86-5	Pentachlorophenol	8400	~~U~~ UJ
85-01-8	Phenanthrene	18000	
120-12-7	Anthracene	4700	
86-74-8	Carbazole	3300	J
84-74-2	Di-n-Butylphthalate	3500 ~~2500~~	~~J~~ U
206-44-0	Fluoranthene	22000	
129-00-0	Pyrene	20000	
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3'-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)Anthracene	10000	
218-01-9	Chrysene	10000	
117-81-7	bis(2-Ethylhexyl)Phthalate	3500	U
117-84-0	Di-n-Octyl Phthalate	3500	U
205-99-2	Benzo(b)Fluoranthene	7500	
207-08-9	Benzo(k)Fluoranthene	6400	
50-32-8	Benzo(a)Pyrene	7500	
193-39-5	Indeno(1,2,3-cd)Pyrene	4100	
53-70-3	Dibenz(a,h)Anthracene	2100	J
191-24-2	Benzo(g,h,i)Perylene	3000	J

JBB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS2S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184356

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A184356D2S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 8.3

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.30~~	~~19000~~	~~BJXNA~~	R
2.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	32.13	3900	JXNZ	
3.		UNKNOWN BENZONAPHTHOFURAN	34.85	3000	JX	
4.		UNKNOWN BENZONAPHTHOFURAN	35.10	2100	JX	
5.	243-42-5	BENZO[B]NAPHTHO[2,3-D]FURAN	35.30	2500	JXN	
6.		UNKNOWN BENZONAPHTHOFURAN	35.63	2300	JXZ	
7.	238-84-6	11H-BENZO[A]FLUORENE	36.05	5900	JXN	
8.	243-17-4	11H-BENZO[B]FLUORENE	36.25	5000	JXNZ	
9.		UNKNOWN METHYLPYRENE	36.40	2200	JXZ	
10.	613-59-2	NAPHTHALENE, 2-(PHENYLMETHYL	36.48	2100	JXN	
11.		UNKNOWN METHYLPYRENE	36.82	2300	JXZ	
12.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	38.15	2000	JXN	
13.	629-99-2	PENTACOSANE	38.23	2400	JXNZ	JBD
14.		UNKNOWN C18H12-PAH	39.37	3000	JX	
15.	630-01-3	HEPTACOSANE	40.28	3200	JXNZ	
16.	630-03-5	NONACOSANE	42.20	6600	JXN	
17.		UNKNOWN C20H12-PAH	42.72	3000	JX	
18.	638-68-6	TRIACONTANE	43.17	2300	JXN	
19.	192-97-2	BENZO[E]PYRENE	43.27	7500	JXN	
20.	198-55-0	PERYLENE	43.70	3200	JXN	
21.		UNKNOWN ~~C31~~ ALKANE	44.25	4500	~~JX~~ J	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184356

Phase Weight: 30.1 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 2.0 Date Analyzed: 06/04/93

% Solids: 79 Sulfur Clean-up: N (Y/N)

pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	76	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	76	U
53469-21-9	Aroclor-1242	76	U
12672-29-6	Aroclor-1248	10000	~~X~~ D
11097-69-1	Aroclor-1254	5200 ~~5300~~	~~X~~ D
11096-82-5	Aroclor-1260	3700	~~X~~ D

JOB

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184356D1

Phase Weight: 30.1 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 20.0 Date Analyzed: 06/04/93

% Solids: 79 Sulfur Clean-up: N (Y/N)

pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	760	U
11104-28-2	------Aroclor-1221	760	U
11141-16-5	------Aroclor-1232	760	U
53469-21-9	------Aroclor-1242	760	U
12672-29-6	------Aroclor-1248	10000	D
11097-69-1	------Aroclor-1254	5200	D
11096-82-5	------Aroclor-1260	3700	D

150

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS2S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184356

Level (low/med): LOW Date Received: 05/19/93

% Solids: 78.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12000			P
7440-36-0	Antimony	19.7		~~N*~~ J	P
7440-38-2	Arsenic	17.9		~~N*~~ J	F
7440-39-3	Barium	216			P
7440-41-7	Beryllium	0.66	B		P
7440-43-9	Cadmium	17.0			P
7440-70-2	Calcium	108000		~~*~~ J	P
7440-47-3	Chromium	65.4			P
7440-48-4	Cobalt	11.6			P
7440-50-8	Copper	492		~~*~~ J	P
7439-89-6	Iron	51400		*	P
7439-92-1	Lead	614		~~*~~ J	P
7439-95-4	Magnesium	5100			P
7439-96-5	Manganese	755			P
7439-97-6	Mercury	0.59		~~N~~ J	CV
7440-02-0	Nickel	153		~~N~~ J	P
7440-09-7	Potassium	1800			P
7782-49-2	Selenium	0.25	U	~~WN~~ J	F
7440-22-4	Silver	0.83	U	~~N*~~ J	P
7440-23-5	Sodium	154	B		P
7440-28-0	Thallium	0.58	U	J	F
7440-62-2	Vanadium	30.7			P
7440-66-6	Zinc	1650			P
	Cyanide	0.76	U		C

JG/3

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS3S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184358

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B184358DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 6.7

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2900	U
111-44-4	bis(2-Chloroethyl)Ether	2900	U
95-57-8	2-Chlorophenol	2900	U
541-73-1	1,3-Dichlorobenzene	2900	U
106-46-7	1,4-Dichlorobenzene	2900	U
95-50-1	1,2-Dichlorobenzene	2900	U
95-48-7	2-Methylphenol	2900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2900	U
106-44-5	4-Methylphenol	2900	U
621-64-7	N-Nitroso-Di-n-Propylamine	2900	U
67-72-1	Hexachloroethane	2900	U
98-95-3	Nitrobenzene	2900	U
78-59-1	Isophorone	2900	U
88-75-5	2-Nitrophenol	2900	U
105-67-9	2,4-Dimethylphenol	2900	U
111-91-1	bis(2-Chloroethoxy)Methane	2900	U
120-83-2	2,4-Dichlorophenol	2900	U
120-82-1	1,2,4-Trichlorobenzene	2900	U
91-20-3	Naphthalene	2900	U
106-47-8	4-Chloroaniline	2900	U
87-68-3	Hexachlorobutadiene	2900	U
59-50-7	4-Chloro-3-Methylphenol	2900	U
91-57-6	2-Methylnaphthalene	2900	U
77-47-4	Hexachlorocyclopentadiene	2900	U
88-06-2	2,4,6-Trichlorophenol	2900	U
95-95-4	2,4,5-Trichlorophenol	7000	U
91-58-7	2-Chloronaphthalene	2900	U
88-74-4	2-Nitroaniline	7000	U
131-11-3	Dimethylphthalate	2900	U
208-96-8	Acenaphthylene	2900	U
606-20-2	2,6-Dinitrotoluene	2900	U
99-09-2	3-Nitroaniline	7000	U
83-32-9	Acenaphthene	2900	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS3S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184358

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B184358DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 6.7

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	7000	U
100-02-7	4-Nitrophenol	7000	~~U~~ UJ
132-64-9	Dibenzofuran	2900	U
121-14-2	2,4-Dinitrotoluene	2900	U
84-66-2	Diethylphthalate	2900	U
7005-72-3	4-Chlorophenyl-phenylether	2900	U
86-73-7	Fluorene	2900	U
100-01-6	4-Nitroaniline	7000	U
534-52-1	4,6-Dinitro-2-methylphenol	7000	U
86-30-6	N-Nitrosodiphenylamine (1)	2900	U
101-55-3	4-Bromophenyl-phenylether	2900	U
118-74-1	Hexachlorobenzene	2900	U
87-86-5	Pentachlorophenol	7000	~~U~~ UJ
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	2900	U
86-74-8	Carbazole	2900	U
84-74-2	Di-n-Butylphthalate	2900 ~~910~~	~~J~~ U
206-44-0	Fluoranthene	600	J
129-00-0	Pyrene	890	J
85-68-7	Butylbenzylphthalate	2900	U
91-94-1	3,3'-Dichlorobenzidine	2900	U
56-55-3	Benzo(a)Anthracene	990	J
218-01-9	Chrysene	1100	J
117-81-7	bis(2-Ethylhexyl)Phthalate	2900	U
117-84-0	Di-n-Octyl Phthalate	2900	U
205-99-2	Benzo(b)Fluoranthene	1700	J
207-08-9	Benzo(k)Fluoranthene	640	J
50-32-8	Benzo(a)Pyrene	1200	J
193-39-5	Indeno(1,2,3-cd)Pyrene	930	J
53-70-3	Dibenz(a,h)Anthracene	2900	U
191-24-2	Benzo(g,h,i)Perylene	780	J

JBB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS3S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184358

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B184358DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 6.7

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.10~~	~~42000~~	~~BJXNA~~ R
2.	UNKNOWN TRICHLOROBIPHENYL	27.32	9100	JX
3.	UNKNOWN TRICHLOROBIPHENYL	27.37	5200	JX
4.	UNKNOWN DICHLOROBIPHENYL	27.40	4600	JX
5.	UNKNOWN TRICHLOROBIPHENYL	27.87	8500	JX
6.	UNKNOWN TRICHLOROBIPHENYL	28.60	13000	JX
7.	UNKNOWN TRICHLOROBIPHENYL	28.63	16000	JX
8.	UNKNOWN TRICHLOROBIPHENYL	28.90	7200	JXZ
9.	UNKNOWN TRICHLOROBIPHENYL	29.12	6500	JX
10.	UNKNOWN TETRACHLOROBIPHENYL	29.55	7900	JX
11.	UNKNOWN TETRACHLOROBIPHENYL	29.68	5100	JX
12.	UNKNOWN TETRACHLOROBIPHENYL	29.78	3600	JX
13.	UNKNOWN TETRACHLOROBIPHENYL	30.13	6100	JX
14.	UNKNOWN TRICHLOROBIPHENYL	30.25	5100	JX
15.	UNKNOWN TETRACHLOROBIPHENYL	30.47	5500	JX
16.	UNKNOWN TETRACHLOROBIPHENYL	31.17	5900	JX
17.	UNKNOWN TETRACHLOROBIPHENYL	31.28	7100	JXZ
18.	UNKNOWN TETRACHLOROBIPHENYL	31.72	7600	JX
19. 78-42-2	PHOSPHORIC ACID, TRIS(2-ETHY	35.63	8500	JXN
20. 630-03-5	NONACOSANE	39.80	4300	JXN
21.	UNKNOWN ~~C31~~-ALKANE	41.58	4200	~~JX~~ J

JHS

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS3S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. _____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184358

Phase Weight: 30.0 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 5.0 Date Analyzed: 06/04/93

% Solids: 75 Sulfur Clean-up: N (Y/N)

pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	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	5300	
11097-69-1	Aroclor-1254	200	U
11096-82-5	Aroclor-1260	33000	~~X~~ D

JBB

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS3SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. _____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184358D1

Phase Weight: 30.0 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 50.0 Date Analyzed: 06/04/93

% Solids: 75 Sulfur Clean-up: N (Y/N)

pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	2000	U
11104-28-2	Aroclor-1221	2000	U
11141-16-5	Aroclor-1232	2000	U
53469-21-9	Aroclor-1242	2000	U
12672-29-6	Aroclor-1248	5500	D
11097-69-1	Aroclor-1254	2000	U
11096-82-5	Aroclor-1260	33000	D

JDD

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS3S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184358

Level (low/med): LOW Date Received: 05/19/93

% Solids: 75.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13400			P
7440-36-0	Antimony	154		~~N*~~ J	P
7440-38-2	Arsenic	16.5		~~N*~~ J	F
7440-39-3	Barium	394			P
7440-41-7	Beryllium	0.72	B		P
7440-43-9	Cadmium	11.8			P
7440-70-2	Calcium	6420		~~*~~ J	P
7440-47-3	Chromium	87.1			P
7440-48-4	Cobalt	17.9			P
7440-50-8	Copper	508		~~*~~ J	P
7439-89-6	Iron	111000		*	P
7439-92-1	Lead	970		~~*~~ J	P
7439-95-4	Magnesium	3740			P
7439-96-5	Manganese	971			P
7439-97-6	Mercury	0.33		~~N~~ J	CV
7440-02-0	Nickel	117		~~N~~ J	P
7440-09-7	Potassium	1800			P
7782-49-2	Selenium	0.30	U	~~WN~~ J	F
7440-22-4	Silver	1.1	U	~~N*~~ J	P
7440-23-5	Sodium	127	U		P
7440-28-0	Thallium	0.69	U	J	F
7440-62-2	Vanadium	31.3			P
7440-66-6	Zinc	1200			P
	Cyanide	0.78	U		C

JDS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184359

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184359DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4300	U
111-44-4	bis(2-Chloroethyl)Ether	4300	U
95-57-8	2-Chlorophenol	4300	U
541-73-1	1,3-Dichlorobenzene	4300	U
106-46-7	1,4-Dichlorobenzene	4300	U
95-50-1	1,2-Dichlorobenzene	4300	U
95-48-7	2-Methylphenol	4300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4300	U
106-44-5	4-Methylphenol	4300	U
621-64-7	N-Nitroso-Di-n-Propylamine	4300	U
67-72-1	Hexachloroethane	4300	U
98-95-3	Nitrobenzene	4300	U
78-59-1	Isophorone	4300	U
88-75-5	2-Nitrophenol	4300	U
105-67-9	2,4-Dimethylphenol	4300	U
111-91-1	bis(2-Chloroethoxy)Methane	4300	U
120-83-2	2,4-Dichlorophenol	4300	U
120-82-1	1,2,4-Trichlorobenzene	4300	U
91-20-3	Naphthalene	4300	U
106-47-8	4-Chloroaniline	4300	U
87-68-3	Hexachlorobutadiene	4300	U
59-50-7	4-Chloro-3-Methylphenol	4300	U
91-57-6	2-Methylnaphthalene	4300	U
77-47-4	Hexachlorocyclopentadiene	4300	U
88-06-2	2,4,6-Trichlorophenol	4300	U
95-95-4	2,4,5-Trichlorophenol	10000	U
91-58-7	2-Chloronaphthalene	4300	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	4300	U
208-96-8	Acenaphthylene	4300	U
606-20-2	2,6-Dinitrotoluene	4300	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	4300	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184359

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184359DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	~~U~~ UJ
132-64-9	Dibenzofuran	4300	U
121-14-2	2,4-Dinitrotoluene	4300	U
84-66-2	Diethylphthalate	4300	U
7005-72-3	4-Chlorophenyl-phenylether	4300	U
86-73-7	Fluorene	4300	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine (1)	4300	U
101-55-3	4-Bromophenyl-phenylether	4300	U
118-74-1	Hexachlorobenzene	4300	U
87-86-5	Pentachlorophenol	10000	~~U~~ UJ
85-01-8	Phenanthrene	1600	J
120-12-7	Anthracene	290	J
86-74-8	Carbazole	4300	U
84-74-2	Di-n-Butylphthalate	4300 ~~610~~	~~J~~ u
206-44-0	Fluoranthene	1800	J
129-00-0	Pyrene	2400	J
85-68-7	Butylbenzylphthalate	4300	U
91-94-1	3,3'-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)Anthracene	2400	J
218-01-9	Chrysene	2500	J
117-81-7	bis(2-Ethylhexyl)Phthalate	4300	U
117-84-0	Di-n-Octyl Phthalate	4300	U
205-99-2	Benzo(b)Fluoranthene	3300	J
207-08-9	Benzo(k)Fluoranthene	2300	J
50-32-8	Benzo(a)Pyrene	2700	J
193-39-5	Indeno(1,2,3-cd)Pyrene	2200	J
53-70-3	Dibenz(a,h)Anthracene	1000	J
191-24-2	Benzo(g,h,i)Perylene	1500	J

JB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184359

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184359DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.1

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.05~~	~~53000~~	~~BJXNA~~ R
2.	UNKNOWN TRICHLOROBIPHENYL	27.28	3200	JX
3.	UNKNOWN TRICHLOROBIPHENYL	27.82	4500	JX
4.	UNKNOWN TRICHLOROBIPHENYL	28.55	3900	JX
5.	UNKNOWN TRICHLOROBIPHENYL	28.58	6200	JX
6.	UNKNOWN TETRACHLOROBIPHENYL	29.52	5000	JX
7.	UNKNOWN TETRACHLOROBIPHENYL	30.08	2900	JX
8.	UNKNOWN TETRACHLOROBIPHENYL	31.13	2800	JXZ
9.	UNKNOWN PENTACHLOROBIPHENYL	31.25	4000	JXZ
10.	UNKNOWN TETRACHLOROBIPHENYL	31.67	3200	JXZ
11.	UNKNOWN PENTACHLOROBIPHENYL	31.82	5300	JX
12.	UNKNOWN PENTACHLOROBIPHENYL	32.78	4300	JX
13.	UNKNOWN HEXACHLOROBIPHENYL	33.08	4600	JXZ
14.	UNKNOWN HEXACHLOROBIPHENYL	33.38	5400	JX
15.	UNKNOWN HEXACHLOROBIPHENYL	33.98	7100	JX
16.	UNKNOWN HEXACHLOROBIPHENYL	34.70	6100	JX
17.	UNKNOWN HEXACHLOROBIPHENYL	36.33	4500	JX
18.	UNKNOWN HEPTACHLOROBIPHENYL	37.07	2400	JX
19. 630-03-5	NONACOSANE	39.77	5000	JXN
20. 192-97-2	BENZO[E]PYRENE	39.97	4100	JXN
21.	UNKNOWN ~~C31~~ ALKANE	41.53	4000	~~JX~~ J

JBB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS4S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil

Lab Sample ID: 184359

Phase Weight: 2.04 (g)

Date Received: 05/19/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/24/93

Dilution Factor: 10.0

Date Analyzed: 06/04/93

% Solids: 77

Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	5800	U
11104-28-2	Aroclor-1221	5800	U
11141-16-5	Aroclor-1232	5800	U
53469-21-9	Aroclor-1242	5800	U
12672-29-6	Aroclor-1248	88000	
11097-69-1	Aroclor-1254	41000	
11096-82-5	Aroclor-1260	35000	

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS4S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184359

Level (low/med): LOW Date Received: 05/19/93

% Solids: 77.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15200			P
7440-36-0	Antimony	5.6	U	N*J	P
7440-38-2	Arsenic	16.9		N*J	F
7440-39-3	Barium	398			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	38.7			P
7440-70-2	Calcium	42700		*J	P
7440-47-3	Chromium	67.5			P
7440-48-4	Cobalt	13.4			P
7440-50-8	Copper	1300		*J	P
7439-89-6	Iron	94000		*	P
7439-92-1	Lead	5060		*J	P
7439-95-4	Magnesium	4160			P
7439-96-5	Manganese	768			P
7439-97-6	Mercury	0.66		NJ	CV
7440-02-0	Nickel	137		NJ	P
7440-09-7	Potassium	2050			P
7782-49-2	Selenium	0.24	U	WNJ	F
7440-22-4	Silver	1.6	B	N*J	P
7440-23-5	Sodium	305	B		P
7440-28-0	Thallium	9.3		*J	F
7440-62-2	Vanadium	26.1			P
7440-66-6	Zinc	6750			P
	Cyanide	0.78	U		C

JDB

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS5S

Lab Name: AQUATEC INC   Contract: 93208

b Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184360

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184360S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 25   decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS5S

Lab Name: AQUATEC INC   Contract: 93208

Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184360

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184360S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 25   decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 6.7

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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	~~U~~ UJ
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	23	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	~~U~~ UJ
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-Butylphthalate	440 ~~94~~	~~J~~ u
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	90	J
218-01-9	Chrysene	100	J
117-81-7	bis(2-Ethylhexyl)Phthalate	440 ~~28~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	86	J
207-08-9	Benzo(k)Fluoranthene	64	J
50-32-8	Benzo(a)Pyrene	74	J
193-39-5	Indeno(1,2,3-cd)Pyrene	440	U
53-70-3	Dibenz(a,h)Anthracene	440	U
191-24-2	Benzo(g,h,i)Perylene	96	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS5S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184360

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184360S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

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

Number TICs found: 22

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~3.82~~	~~130~~	~~BJXNA~~
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.33~~	~~5700~~	~~BJXNA~~
3.		UNKNOWN ALIPHATIC	25.68	580	JX
4.	57-10-3	HEXADECANOIC ACID Unknown	29.48	390	~~JXN~~ J
5.	646-13-9	OCTADECANOIC ACID, ~~2-METHYLP~~	34.62	390	JNX
6.	629-99-2	PENTACOSANE	35.82	570	JXNZ
7.	593-49-7	HEPTACOSANE	37.87	480	JXN
8.	506-51-4	~~1-TETRACOSANOL~~ Unknown	37.90	470	~~JXN~~ J
9.	630-02-4	OCTACOSANE	38.83	270	JXN
10.		UNKNOWN ALIPHATIC ALDEHYDE	39.25	1100	JX
11.	630-03-5	NONACOSANE	39.77	2400	JXN
12.	506-52-5	~~1-HEXACOSANOL~~ Unknown	39.85	670	~~JXN~~ J
13.		UNKNOWN ALIPHATIC ALDEHYDE	41.10	880	JX
14.		UNKNOWN ~~C31~~-ALKANE	41.57	2100	~~JX~~ J
15.		UNKNOWN ALIPHATIC ALCOHOL	41.68	860	JX
16.		UNKNOWN ALIPHAITC ALDEHYDE	42.87	620	JX
17.		UNKNOWN ~~C33~~-ALKANE	43.32	760	~~JX~~ J
18.		UNKNOWN SITOSTEROL	44.23	960	JX
19.		UNKNOWN ALIPHATIC	45.00	1100	JX
20.		UNKNOWN ALIPHATIC	45.72	470	JX
21.		UNKNOWN POLYTERPENE DERIVATI	45.88	800	JX
22.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.40~~	~~880~~	~~BJXN~~

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS5S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184360

Phase Weight: 30.0 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 1.0 Date Analyzed: 06/04/93

% Solids: 75 Sulfur Clean-up: N (Y/N)

pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	40	U
11104-28-2	------Aroclor-1221	40	U
11141-16-5	------Aroclor-1232	40	U
53469-21-9	------Aroclor-1242	40	U
12672-29-6	------Aroclor-1248	40	U
11097-69-1	------Aroclor-1254	40	U
11096-82-5	------Aroclor-1260	42	

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Rev. 9/88

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS5S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: _______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184360

Level (low/med): LOW__ Date Received: 05/19/93

% Solids: _75.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15800			P
7440-36-0	Antimony	6.0	U	~~N*~~ J	P
7440-38-2	Arsenic	10.6		~~N*~~ J	F
7440-39-3	Barium	179			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	5140		~~*~~ J	P
7440-47-3	Chromium	22.2			P
7440-48-4	Cobalt	13.7			P
7440-50-8	Copper	41.0		~~*~~ J	P
7439-89-6	Iron	31300		*	P
7439-92-1	Lead	249		~~*~~ J	P
7439-95-4	Magnesium	3700			P
7439-96-5	Manganese	706			P
7439-97-6	Mercury	0.10		~~N~~ J	CV
7440-02-0	Nickel	48.0		~~N~~ J	P
7440-09-7	Potassium	2020			P
7782-49-2	Selenium	0.24	U	~~WN~~ J	F
7440-22-4	Silver	0.94	U	~~N*~~ J	P
7440-23-5	Sodium	112	U		P
7440-28-0	Thallium	0.55	U	J	F
7440-62-2	Vanadium	36.4			P
7440-66-6	Zinc	338			P
	Cyanide	0.67	U		C

JbB

Color Before: BROWN Clarity Before: _______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: YES

Comments:
STICKS_WERE_PRESENT.

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS6S

Lab Name: AQUATEC INC　　Contract: 93208

Lab Code: AQUAI　　Case No.: 93208　　SAS No.:　　SDG No.: 36905

Matrix: (soil/water) SOIL　　Lab Sample ID: 184885

Sample wt/vol: 30.1 (g/mL) G　　Lab File ID: K184885D2S

Level: (low/med) LOW　　Date Received: 05/26/93

% Moisture: 19　decanted: (Y/N) N　　Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)　　Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)　　Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y　　pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	8100	U
111-44-4	bis(2-Chloroethyl)Ether	8100	U
95-57-8	2-Chlorophenol	8100	U
541-73-1	1,3-Dichlorobenzene	8100	U
106-46-7	1,4-Dichlorobenzene	8100	U
95-50-1	1,2-Dichlorobenzene	8100	U
95-48-7	2-Methylphenol	8100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	8100	U
106-44-5	4-Methylphenol	8100	U
621-64-7	N-Nitroso-Di-n-Propylamine	8100	U
67-72-1	Hexachloroethane	8100	U
98-95-3	Nitrobenzene	8100	U
78-59-1	Isophorone	8100	U
88-75-5	2-Nitrophenol	8100	U
105-67-9	2,4-Dimethylphenol	8100	U
111-91-1	bis(2-Chloroethoxy)Methane	8100	U
120-83-2	2,4-Dichlorophenol	8100	U
120-82-1	1,2,4-Trichlorobenzene	8100	U
91-20-3	Naphthalene	8100	U
106-47-8	4-Chloroaniline	8100	U
87-68-3	Hexachlorobutadiene	8100	U
59-50-7	4-Chloro-3-Methylphenol	8100	U
91-57-6	2-Methylnaphthalene	8100	U
77-47-4	Hexachlorocyclopentadiene	8100	U
88-06-2	2,4,6-Trichlorophenol	8100	U
95-95-4	2,4,5-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	8100	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	8100	U
208-96-8	Acenaphthylene	8100	U
606-20-2	2,6-Dinitrotoluene	8100	U
99-09-2	3-Nitroaniline	20000	U
83-32-9	Acenaphthene	8100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS6S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184885

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184885D2S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	Dibenzofuran	8100	U
121-14-2	2,4-Dinitrotoluene	8100	U
84-66-2	Diethylphthalate	8100	U
7005-72-3	4-Chlorophenyl-phenylether	8100	U
86-73-7	Fluorene	8100	U
100-01-6	4-Nitroaniline	20000	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	U
86-30-6	N-Nitrosodiphenylamine (1)	8100	U
101-55-3	4-Bromophenyl-phenylether	8100	U
118-74-1	Hexachlorobenzene	8100	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	Phenanthrene	8100	U
120-12-7	Anthracene	8100	U
86-74-8	Carbazole	8100	U
84-74-2	Di-n-Butylphthalate	8100	U
206-44-0	Fluoranthene	520	J
129-00-0	Pyrene	890	J
85-68-7	Butylbenzylphthalate	8100	U
91-94-1	3,3'-Dichlorobenzidine	8100	U
56-55-3	Benzo(a)Anthracene	8100	U
218-01-9	Chrysene	8100	U
117-81-7	bis(2-Ethylhexyl)Phthalate	8100	U
117-84-0	Di-n-Octyl Phthalate	8100	U
205-99-2	Benzo(b)Fluoranthene	8100	U
207-08-9	Benzo(k)Fluoranthene	8100	U
50-32-8	Benzo(a)Pyrene	8100	U
193-39-5	Indeno(1,2,3-cd)Pyrene	8100	U
53-70-3	Dibenz(a,h)Anthracene	8100	U
191-24-2	Benzo(g,h,i)Perylene	8100	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS6S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184885

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184885D2S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 19   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y   pH: 9.3

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.20~~	~~32000~~	~~BJXNA~~
2.	UNKNOWN ALIPHATIC	27.63	6000	JX
3.	UNKNOWN ALIPHATIC	29.98	3600	JX
4.	UNKNOWN	31.58	2900	JX
5.	UNKNOWN	31.68	2100	JX
6.	UNKNOWN	31.72	1700	JX
7.	UNKNOWN	31.92	4900	JX
8.	UNKNOWN	32.02	1600	JX
9.	UNKNOWN	32.73	3200	JX
10.	UNKNOWN	32.82	2100	JX
11.	UNKNOWN	33.02	5100	JX
12.	UNKNOWN	33.18	9100	JX
13.	UNKNOWN	33.65	5000	JX
14.	UNKNOWN	33.90	3200	JX
15.	UNKNOWN	34.12	2100	JX
16.	~~UNKNOWN HEXANEDIOATE~~	~~38.15~~	~~3000~~	~~JXB~~ R
17. 123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~43.65~~	~~13000~~	~~JXNY~~

JBD

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS6S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184885

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 5.0 Date Analyzed: 06/12/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	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	190	U
11096-82-5	Aroclor-1260	650	

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS6S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36905_

Matrix (soil/water): SOIL_ Lab Sample ID: 184885

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _80.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11400			P
7440-36-0	Antimony	12.5		~~N~~ J	P
7440-38-2	Arsenic	10.7		~~N~~ J	F
7440-39-3	Barium	246			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	4.6			P
7440-70-2	Calcium	43500		~~*~~ J	P
7440-47-3	Chromium	24.1		~~N~~ J	P
7440-48-4	Cobalt	9.5			P
7440-50-8	Copper	662			P
7439-89-6	Iron	32300			P
7439-92-1	Lead	225		~~N*~~ J	P
7439-95-4	Magnesium	4870			P
7439-96-5	Manganese	648			P
7439-97-6	Mercury	0.26		~~N~~ J	CV
7440-02-0	Nickel	35.9		*	P
7440-09-7	Potassium	1320			P
7782-49-2	Selenium	0.47	B	~~WN~~ J	F
7440-22-4	Silver	0.81	U	~~N~~ J	P
7440-23-5	Sodium	423	B		P
7440-28-0	Thallium	0.59	U	~~W~~ J	F
7440-62-2	Vanadium	24.0			P
7440-66-6	Zinc	1490		~~N*~~ J	P
	Cyanide	0.74	U		C

JDS

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7S

Lab Name: AQUATEC INC Contract: 93208

ab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184361

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B184361DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	770	U
111-44-4	bis(2-Chloroethyl)Ether	770	U
95-57-8	2-Chlorophenol	770	U
541-73-1	1,3-Dichlorobenzene	770	U
106-46-7	1,4-Dichlorobenzene	770	U
95-50-1	1,2-Dichlorobenzene	770	U
95-48-7	2-Methylphenol	770	U
108-60-1	2,2'-oxybis(1-Chloropropane)	770	U
106-44-5	4-Methylphenol	770	U
621-64-7	N-Nitroso-Di-n-Propylamine	770	U
67-72-1	Hexachloroethane	770	U
98-95-3	Nitrobenzene	770	U
78-59-1	Isophorone	770	U
88-75-5	2-Nitrophenol	770	U
105-67-9	2,4-Dimethylphenol	770	U
111-91-1	bis(2-Chloroethoxy)Methane	770	U
120-83-2	2,4-Dichlorophenol	770	U
120-82-1	1,2,4-Trichlorobenzene	770	U
91-20-3	Naphthalene	770	U
106-47-8	4-Chloroaniline	770	U
87-68-3	Hexachlorobutadiene	770	U
59-50-7	4-Chloro-3-Methylphenol	770	U
91-57-6	2-Methylnaphthalene	770	U
77-47-4	Hexachlorocyclopentadiene	770	U
88-06-2	2,4,6-Trichlorophenol	770	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	770	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	770	U
208-96-8	Acenaphthylene	770	U
606-20-2	2,6-Dinitrotoluene	770	U
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	150	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7S

Lab Name: AQUATEC INC Contract: 93208

) Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184361

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B184361DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	~~U~~ UJ
132-64-9	Dibenzofuran	44	J
121-14-2	2,4-Dinitrotoluene	770	U
84-66-2	Diethylphthalate	770	U
7005-72-3	4-Chlorophenyl-phenylether	770	U
86-73-7	Fluorene	120	J
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	770	U
101-55-3	4-Bromophenyl-phenylether	770	U
118-74-1	Hexachlorobenzene	770	U
87-86-5	Pentachlorophenol	1900	~~U~~ UJ
85-01-8	Phenanthrene	730	J
120-12-7	Anthracene	140	J
86-74-8	Carbazole	85	J
84-74-2	Di-n-Butylphthalate	770 ~~240~~	~~J~~ u
206-44-0	Fluoranthene	990	
129-00-0	Pyrene	970	
85-68-7	Butylbenzylphthalate	770	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)Anthracene	760	J
218-01-9	Chrysene	770	J
117-81-7	bis(2-Ethylhexyl)Phthalate	770 ~~1200~~	u
117-84-0	Di-n-Octyl Phthalate	770	U
205-99-2	Benzo(b)Fluoranthene	770	J
207-08-9	Benzo(k)Fluoranthene	510	J
50-32-8	Benzo(a)Pyrene	580	J
193-39-5	Indeno(1,2,3-cd)Pyrene	360	J
53-70-3	Dibenz(a,h)Anthracene	220	J
191-24-2	Benzo(g,h,i)Perylene	240	J

JBS

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS7S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184361

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B184361DS

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs found: 22

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
1.	141-79-7	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~3.05~~	~~170~~	~~BJXNA~~	R
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.27~~	~~12000~~	~~BJXNA~~	R
3.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.93	840	JXN	
4.		UNKNOWN TRICHLOROBIPHENYL	27.35	890	JX	
5.		UNKNOWN TRICHLOROBIPHENYL	28.63	860	JX	
6.		UNKNOWN TRICHLOROBIPHENYL	28.67	970	JX	
7.	57-10-3	HEXADECANOIC ACID	29.58	1800	JXNZ	
8.		UNKNOWN PENTACHLOROBIPHENYL	31.32	1600	JXZ	
9.		UNKNOWN PENTACHLOROBIPHENYL	31.90	930	JX	
10.		UNKNOWN HEXACHLOROBIPHENYL	34.07	800	JX	
11.	629-99-2	PENTACOSANE	35.90	1300	JXN	J/JD
12.	630-01-3	HEXACOSANE	36.93	1200	JXN	
13.	593-49-7	HEPTACOSANE	37.93	1500	JXN	
14.	630-02-4	OCTACOSANE	38.90	1500	JXN	
15.		UNKNOWN ALIPHATIIC ALDEHYDE	39.32	930	JXZ	
16.	630-03-5	NONACOSANE	39.85	3100	JXN	
17.	638-68-6	TRIACONTANE	40.75	990	JXN	
18.		UNKNOWN ~~C31~~ ALKANE	41.62	2200	~~JX~~ J	
19.		UNKNOWN SITOSTEROL	44.30	1400	JX	
20.		UNKNOWN POLYTERPENE DERIVATI	45.08	810	JX	
21.		UNKNOWN POLYTERPENE DERIVATI	45.95	1000	JX	
22.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.45~~	~~1100~~	~~BJXN~~	R

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. _____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184361

Phase Weight: 30.1 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 5.0 Date Analyzed: 06/17/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	24000 ~~30000~~	* D
11097-69-1	Aroclor-1254	9400 ~~12000~~	* D
11096-82-5	Aroclor-1260	4700	

JBB

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. _____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184361D1

Phase Weight: 30.1 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 50.0 Date Analyzed: 06/17/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	1800	U
11141-16-5	Aroclor-1232	1800	U
53469-21-9	Aroclor-1242	1800	U
12672-29-6	Aroclor-1248	24000	D
11097-69-1	Aroclor-1254	9400	D
11096-82-5	Aroclor-1260	4300	D

JBS

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS7S

b Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184361

Level (low/med): LOW__ Date Received: 05/19/93

% Solids: _85.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8400			P
7440-36-0	Antimony	29.2		N* J	P
7440-38-2	Arsenic	12.3		N* J	F
7440-39-3	Barium	205			P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	9.1			P
7440-70-2	Calcium	65300		* J	P
7440-47-3	Chromium	69.0			P
7440-48-4	Cobalt	11.9			P
7440-50-8	Copper	943		* J	P
7439-89-6	Iron	73000		*	P
7439-92-1	Lead	855		* J	P
7439-95-4	Magnesium	3310			P
7439-96-5	Manganese	863			P
7439-97-6	Mercury	1.7		N J	CV
7440-02-0	Nickel	63.9		N J	P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	0.28	U	N J	F
7440-22-4	Silver	0.67	U	N* J	P
7440-23-5	Sodium	144	B		P
7440-28-0	Thallium	0.65	U	J	F
7440-62-2	Vanadium	41.1			P
7440-66-6	Zinc	1040			P
	Cyanide	0.62	U		C

JDS

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184461

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184461D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 20 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	290	J
111-44-4	bis(2-Chloroethyl)Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	92	J
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	U
106-44-5	4-Methylphenol	380	J
621-64-7	N-Nitroso-Di-n-Propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)Methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	290	J
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-Methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	4000	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	200	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184461

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184461D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 20 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	~~U~~ UJ
132-64-9	Dibenzofuran	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
86-73-7	Fluorene	170	J
100-01-6	4-Nitroaniline	4000	U
534-52-1	4,6-Dinitro-2-methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	490	J
86-74-8	Carbazole	430	J
84-74-2	Di-n-Butylphthalate	1600 ~~1800~~	u
206-44-0	Fluoranthene	4100	
129-00-0	Pyrene	3800	
85-68-7	Butylbenzylphthalate	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	2600	
218-01-9	Chrysene	2300	
117-81-7	bis(2-Ethylhexyl)Phthalate	1600 ~~600~~	~~BJ~~ u
117-84-0	Di-n-Octyl Phthalate	1600	U
205-99-2	Benzo(b)Fluoranthene	1900	
207-08-9	Benzo(k)Fluoranthene	1900	
50-32-8	Benzo(a)Pyrene	2100	
193-39-5	Indeno(1,2,3-cd)Pyrene	970	J
53-70-3	Dibenz(a,h)Anthracene	430	J
191-24-2	Benzo(g,h,i)Perylene	490	J

JBB

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS8S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184461

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184461D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 20 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2~~-PENTANONE, 4-HYDROXY-4-MET~~	~~10.28~~	~~21000~~	~~BJXNA~~ R
2.	UNKNOWN TRICHLOROBIPHENYL	32.28	1000	JX
3.	UNKNOWN TRICHLOROBIPHENYL	32.33	1400	JX
4. 57-10-3	HEXADECANOIC ACID	32.78	1600	JXNZ
5.	UNKNOWN TETRACHLOROBIPHENYL	33.23	2400	JXZ
6.	UNKNOWN TETRACHLOROBIPHENYL	33.85	1600	JX
7.	UNKNOWN ALKANE	34.58	1300	JX
8.	UNKNOWN TETRACHLOROBIPHENYL	34.87	1300	JX
9.	UNKNOWN PENTACHLOROBIPHENYL	35.00	3000	JXZ
10.	UNKNOWN PENTACHLOROBIPHENYL	35.57	2000	JX
11.	UNKNOWN PENTACHLOROBIPHENYL	36.30	1100	JXZ
12.	UNKNOWN PENTACHLOROBIPHENYL	36.55	2000	JX
13.	UNKNOWN HEXACHLOROBIPHENYL	37.17	1300	JX
14.	UNKNOWN PENTACHLOROBIPHENYL	37.20	1800	JXZ
15.	UNKNOWN HEXACHLOROBIPHENYL	37.73	1300	JX
16.	UNKNOWN HEXACHLOROBIPHENYL	38.47	1700	JX
17. 78-42-2	PHOSPHORIC ACID, TRIS(2-ETHY	38.90	1100	JXN
18. 593-49-7	HEPTACOSANE	41.22	1100	JXNZ
19. 630-03-5	NONACOSANE	43.48	2100	JXN
20. 192-97-2	BENZO[E]PYRENE	44.67	1900	JXN
21.	UNKNOWN ~~C31~~-ALKANE	46.43	1600	~~JX~~ J

ND

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184461

Phase Weight: 30.3 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 2.0 Date Analyzed: 06/09/93

% Solids: 80 Sulfur Clean-up: N (Y/N)

pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	75	U
11104-28-2	------Aroclor-1221	75	U
11141-16-5	------Aroclor-1232	75	U
53469-21-9	------Aroclor-1242	75	U
12672-29-6	------Aroclor-1248	8800 ~~10000~~	~~X~~ D
11097-69-1	------Aroclor-1254	11000 ~~9700~~	~~X~~ D
11096-82-5	------Aroclor-1260	3300 ~~3300~~	~~X~~ D

JBB

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184461D1

Phase Weight: 30.3 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 20.0 Date Analyzed: 06/09/93

% Solids: 80 Sulfur Clean-up: N (Y/N)

pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	750	U
11104-28-2	------Aroclor-1221	750	U
11141-16-5	------Aroclor-1232	750	U
53469-21-9	------Aroclor-1242	750	U
12672-29-6	------Aroclor-1248	8800	D
11097-69-1	------Aroclor-1254	11000	D
11096-82-5	------Aroclor-1260	3300	D

JDS

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS8S

[redacted] Name: AQUATEC__________________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184461____

Level (low/med): LOW__ Date Received: 05/20/93

% Solids: _79.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15300			P
7440-36-0	Antimony	32.7		~~N*~~ J	P
7440-38-2	Arsenic	13.9		~~N*~~ J	F
7440-39-3	Barium	277			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	31.4			P
7440-70-2	Calcium	17900		~~*~~ J	P
7440-47-3	Chromium	198			P
7440-48-4	Cobalt	15.2			P
7440-50-8	Copper	913		~~*~~ J	P
7439-89-6	Iron	54600		*	P
7439-92-1	Lead	673		~~*~~ J	P
7439-95-4	Magnesium	4230			P
7439-96-5	Manganese	832			P
7439-97-6	Mercury	0.65		N J	CV
7440-02-0	Nickel	52.1		~~N~~ J	P
7440-09-7	Potassium	2230			P
7782-49-2	Selenium	0.57	B	~~WN~~ J	F
7440-22-4	Silver	1.3	B	~~N*~~ J	P
7440-23-5	Sodium	101	B		P
7440-28-0	Thallium	0.54	U	~~W~~ J	F
7440-62-2	Vanadium	35.8			P
7440-66-6	Zinc	1270			P
	Cyanide	0.63	U		C

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
LEAVES_WERE_PRESENT.

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS9S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184462

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184462DS

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0   (uL)   Date Analyzed: 06/15/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	760	U
111-44-4	bis(2-Chloroethyl)Ether	760	U
95-57-8	2-Chlorophenol	760	U
541-73-1	1,3-Dichlorobenzene	760	U
106-46-7	1,4-Dichlorobenzene	760	U
95-50-1	1,2-Dichlorobenzene	760	U
95-48-7	2-Methylphenol	760	U
108-60-1	2,2'-oxybis(1-Chloropropane)	760	U
106-44-5	4-Methylphenol	760	U
621-64-7	N-Nitroso-Di-n-Propylamine	760	U
67-72-1	Hexachloroethane	760	U
98-95-3	Nitrobenzene	760	U
78-59-1	Isophorone	760	U
88-75-5	2-Nitrophenol	760	U
105-67-9	2,4-Dimethylphenol	760	U
111-91-1	bis(2-Chloroethoxy)Methane	760	U
120-83-2	2,4-Dichlorophenol	760	U
120-82-1	1,2,4-Trichlorobenzene	760	U
91-20-3	Naphthalene	760	U
106-47-8	4-Chloroaniline	760	U
87-68-3	Hexachlorobutadiene	760	U
59-50-7	4-Chloro-3-Methylphenol	760	U
91-57-6	2-Methylnaphthalene	760	U
77-47-4	Hexachlorocyclopentadiene	760	U
88-06-2	2,4,6-Trichlorophenol	760	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	760	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	760	U
208-96-8	Acenaphthylene	760	U
606-20-2	2,6-Dinitrotoluene	760	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	760	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS9S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184462

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184462DS

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/15/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	~~U~~ UJ
132-64-9	Dibenzofuran	760	U
121-14-2	2,4-Dinitrotoluene	760	~~U~~ UJ
84-66-2	Diethylphthalate	760	U
7005-72-3	4-Chlorophenyl-phenylether	760	U
86-73-7	Fluorene	760	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	760	U
101-55-3	4-Bromophenyl-phenylether	760	U
118-74-1	Hexachlorobenzene	760	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	760	U
86-74-8	Carbazole	760	U
84-74-2	Di-n-Butylphthalate	760 ~~220~~	~~J~~ u
206-44-0	Fluoranthene	330	J
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	760	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)Anthracene	160	J
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)Phthalate	4500	B
117-84-0	Di-n-Octyl Phthalate	760	U
205-99-2	Benzo(b)Fluoranthene	210	J
207-08-9	Benzo(k)Fluoranthene	170	J
50-32-8	Benzo(a)Pyrene	180	J
193-39-5	Indeno(1,2,3-cd)Pyrene	180	J
53-70-3	Dibenz(a,h)Anthracene	81	J
191-24-2	Benzo(g,h,i)Perylene	170	~~J~~ J

JDO

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS9S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184462

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184462DS

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/15/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 9.0

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.43~~	~~12000~~	~~BJXNA~~ R
2.	UNKNOWN ALIPHATIC	29.12	600	JX
3. 544-63-8	TETRADECANOIC ACID	30.05	420	JXN
4. 57-10-3	HEXADECANOIC ACID	32.87	1200	JXN
5.	UNKNOWN	33.07	290	JX
6.	UNKNOWN ALIPHATIC	33.23	690	JX
7.	UNKNOWN ANDROSTANE	33.72	480	JX
8.	UNKNOWN POLYTERPENE DERIVATI	33.95	400	JX
9.	UNKNOWN	34.47	360	JX
10.	UNKNOWN	34.77	460	JX
11.	UNKNOWN	35.42	450	JX
12.	UNKNOWN HEXADECANOATE	35.73	270	JX
13.	UNKNOWN HEXACHLOROBIPHENYL	37.23	430	JX
14.	UNKNOWN	37.58	980	JX
15.	UNKNOWN HEXACHLOROBIPHENYL	37.82	370	JX
16. 646-13-9	UNKNOWN OCTADECANOIC ACID, ~~2-METHYLP~~	38.03	720	~~JXN~~ J
17. 1235-74-1	1-PHENANTHRENECARBOXYLIC ACI	38.20	320	JXN
18.	UNKNOWN HEXACHLOROBIPHENYL	38.55	530	JX
19.	UNKNOWN POLYTERPENE DERIVATI	43.18	440	JX
20. 630-03-5	NONACOSANE	43.58	380	JXN
21.	UNKNOWN ~~C31~~-ALKANE	46.57	260	~~JX~~ J

JBL

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS9S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184462

Phase Weight: 30.2 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 10.0 Date Analyzed: 06/03/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	350	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	350	U
53469-21-9	Aroclor-1242	350	U
12672-29-6	Aroclor-1248	350	U
11097-69-1	Aroclor-1254	2800	NJ
11096-82-5	Aroclor-1260	3100	

JDD

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS9S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184462

Level (low/med): LOW__ Date Received: 05/20/93

% Solids: _87.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16000			P
7440-36-0	Antimony	4.5	U	N*J	P
7440-38-2	Arsenic	9.7		N*J	F
7440-39-3	Barium	135			P
7440-41-7	Beryllium	0.84			P
7440-43-9	Cadmium	2.8			P
7440-70-2	Calcium	23700		*J	P
7440-47-3	Chromium	22.7			P
7440-48-4	Cobalt	10.7			P
7440-50-8	Copper	111		*J	P
7439-89-6	Iron	29000		*	P
7439-92-1	Lead	149		*J	P
7439-95-4	Magnesium	4240			P
7439-96-5	Manganese	546			P
7439-97-6	Mercury	0.07		NJ	CV
7440-02-0	Nickel	35.8		NJ	P
7440-09-7	Potassium	1620			P
7782-49-2	Selenium	0.23	U	WNJ	F
7440-22-4	Silver	0.72	U	N*J	P
7440-23-5	Sodium	85.7	B		P
7440-28-0	Thallium	0.54	U	J	F
7440-62-2	Vanadium	30.9			P
7440-66-6	Zinc	163			P
	Cyanide	0.59	U		C

JB

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184463

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184463DS

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/15/93

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	760	U
111-44-4	bis(2-Chloroethyl)Ether	760	U
95-57-8	2-Chlorophenol	760	U
541-73-1	1,3-Dichlorobenzene	760	U
106-46-7	1,4-Dichlorobenzene	760	U
95-50-1	1,2-Dichlorobenzene	760	U
95-48-7	2-Methylphenol	760	U
108-60-1	2,2'-oxybis(1-Chloropropane)	760	U
106-44-5	4-Methylphenol	760	U
621-64-7	N-Nitroso-Di-n-Propylamine	760	U
67-72-1	Hexachloroethane	760	U
98-95-3	Nitrobenzene	760	U
78-59-1	Isophorone	760	U
88-75-5	2-Nitrophenol	760	U
105-67-9	2,4-Dimethylphenol	760	U
111-91-1	bis(2-Chloroethoxy)Methane	760	U
120-83-2	2,4-Dichlorophenol	760	U
120-82-1	1,2,4-Trichlorobenzene	760	U
91-20-3	Naphthalene	760	U
106-47-8	4-Chloroaniline	760	U
87-68-3	Hexachlorobutadiene	760	U
59-50-7	4-Chloro-3-Methylphenol	760	U
91-57-6	2-Methylnaphthalene	760	U
77-47-4	Hexachlorocyclopentadiene	760	U
88-06-2	2,4,6-Trichlorophenol	760	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	760	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	760	U
208-96-8	Acenaphthylene	760	U
606-20-2	2,6-Dinitrotoluene	760	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	760	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184463

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184463DS

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/15/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	~~U~~ UJ
132-64-9	Dibenzofuran	760	U
121-14-2	2,4-Dinitrotoluene	760	~~U~~ UJ
84-66-2	Diethylphthalate	760	U
7005-72-3	4-Chlorophenyl-phenylether	760	U
86-73-7	Fluorene	760	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	760	U
101-55-3	4-Bromophenyl-phenylether	760	U
118-74-1	Hexachlorobenzene	760	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	300	J
120-12-7	Anthracene	45	J
86-74-8	Carbazole	45	J
84-74-2	Di-n-Butylphthalate	760 ~~290~~	~~J~~ u
206-44-0	Fluoranthene	700	J
129-00-0	Pyrene	750	J
85-68-7	Butylbenzylphthalate	760	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)Anthracene	300	J
218-01-9	Chrysene	330	J
117-81-7	bis(2-Ethylhexyl)Phthalate	760 ~~400~~	~~BJ~~ u
117-84-0	Di-n-Octyl Phthalate	760	U
205-99-2	Benzo(b)Fluoranthene	290	J
207-08-9	Benzo(k)Fluoranthene	230	J
50-32-8	Benzo(a)Pyrene	250	J
193-39-5	Indeno(1,2,3-cd)Pyrene	190	J
53-70-3	Dibenz(a,h)Anthracene	98	J
191-24-2	Benzo(g,h,i)Perylene	160	~~J~~ J

JBB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS10S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184463

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184463DS

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/15/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 8.2

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2~~-PENTANONE, 4-HYDROXY-4-MET~~	~~10.45~~	~~11000~~	~~BJXNA~~ R
2.	UNKNOWN ALIPHATIC	28.87	850	JX
3.	UNKNOWN ALIPHATIC	29.13	860	JX
4. 57-10-3	HEXADECANOIC ACID	32.87	1400	JXN
5.	UNKNOWN ALIPHATIC	33.25	730	JX
6.	UNKNOWN ALKANE	34.68	340	JX
7. 596-85-0	1-NAPHTHALENEPROPANOL, .ALPH	34.85	850	JXN
8.	UNKNOWN	35.42	440	JX
9.	UNKNOWN HEXACHLOROBIPHENYL	37.23	400	JX
10.	UNKNOWN HEXACHLOROBIPHENYL	37.82	280	JX
11.	UNKNOWN HEXACHLOROBIPHENYL	38.57	400	JX
12. 629-99-2	PENTACOSANE	39.23	310	JXN
13. 593-49-7	~~HEPTACOSANE~~ Unknown	41.30	970	~~JXNZ~~ J
14.	UNKNOWN TRISTOLYPHOSPHATE	41.63	600	JX
15.	UNKNOWN TRISTOLYPHOSPHATE	41.97	270	JX
16.	UNKNOWN ALIPHATIC AMIDE	42.42	360	JXB
17.	UNKNOWN ALIPHATIC ALDEHYDE	42.93	280	JXZ
18. 630-03-5	NONACOSANE	43.62	2400	JXN
19. 192-97-2	BENZO[E]PYRENE	44.82	350	JNX
20.	UNKNOWN ~~C31~~-ALKANE	46.62	1000	~~JX~~ J
21.	UNKNOWN POLYCYCLIC HYDROCARB	49.70	380	JX

JB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184463

Phase Weight: 30.1 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 5.0 Date Analyzed: 06/03/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	180	U
11104-28-2	------Aroclor-1221	180	U
11141-16-5	------Aroclor-1232	180	U
53469-21-9	------Aroclor-1242	180	U
12672-29-6	------Aroclor-1248	240	
11097-69-1	------Aroclor-1254	2200	NJ
11096-82-5	------Aroclor-1260	2000	

165

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS10S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184463

Level (low/med): LOW Date Received: 05/20/93

% Solids: 87.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5160			P
7440-36-0	Antimony	12.2		~~N*~~ J	P
7440-38-2	Arsenic	12.8		~~N*~~ J	F
7440-39-3	Barium	155			P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium	266000		~~*~~ J	P
7440-47-3	Chromium	27.3			P
7440-48-4	Cobalt	6.0	B		P
7440-50-8	Copper	1070		~~*~~ J	P
7439-89-6	Iron	17300		*	P
7439-92-1	Lead	761		~~*~~ J	P
7439-95-4	Magnesium	2970			P
7439-96-5	Manganese	884			P
7439-97-6	Mercury	0.74		~~N~~ J	CV
7440-02-0	Nickel	23.1		~~N~~ J	P
7440-09-7	Potassium	863			P
7782-49-2	Selenium	0.25	B	~~WN~~ J	F
7440-22-4	Silver	0.68	B	~~N*~~ J	P
7440-23-5	Sodium	162	B		P
7440-28-0	Thallium	0.55	U	J	F
7440-62-2	Vanadium	14.6			P
7440-66-6	Zinc	764			P
	Cyanide	0.59	U		C

JB

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
LEAVES WERE PRESENT.

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS11S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184438

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184438D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	7600	U
111-44-4	bis(2-Chloroethyl)Ether	7600	U
95-57-8	2-Chlorophenol	7600	U
541-73-1	1,3-Dichlorobenzene	7600	U
106-46-7	1,4-Dichlorobenzene	7600	U
95-50-1	1,2-Dichlorobenzene	7600	U
95-48-7	2-Methylphenol	7600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7600	U
106-44-5	4-Methylphenol	7600	U
621-64-7	N-Nitroso-Di-n-Propylamine	7600	U
67-72-1	Hexachloroethane	7600	U
98-95-3	Nitrobenzene	7600	U
78-59-1	Isophorone	7600	U
88-75-5	2-Nitrophenol	7600	U
105-67-9	2,4-Dimethylphenol	7600	U
111-91-1	bis(2-Chloroethoxy)Methane	7600	U
120-83-2	2,4-Dichlorophenol	7600	U
120-82-1	1,2,4-Trichlorobenzene	7600	U
91-20-3	Naphthalene	7600	U
106-47-8	4-Chloroaniline	7600	U
87-68-3	Hexachlorobutadiene	7600	U
59-50-7	4-Chloro-3-Methylphenol	7600	U
91-57-6	2-Methylnaphthalene	7600	U
77-47-4	Hexachlorocyclopentadiene	7600	U
88-06-2	2,4,6-Trichlorophenol	7600	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	7600	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethylphthalate	7600	U
208-96-8	Acenaphthylene	7600	U
606-20-2	2,6-Dinitrotoluene	7600	U
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	7600	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS11S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184438

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184438D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	~~U~~ UJ
132-64-9	Dibenzofuran	7600	U
121-14-2	2,4-Dinitrotoluene	7600	U
84-66-2	Diethylphthalate	7600	U
7005-72-3	4-Chlorophenyl-phenylether	7600	U
86-73-7	Fluorene	7600	U
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-methylphenol	18000	U
86-30-6	N-Nitrosodiphenylamine (1)	7600	U
101-55-3	4-Bromophenyl-phenylether	7600	U
118-74-1	Hexachlorobenzene	7600	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	720	J
120-12-7	Anthracene	7600	U
86-74-8	Carbazole	7600	U
84-74-2	Di-n-Butylphthalate	7600	U
206-44-0	Fluoranthene	2400	J
129-00-0	Pyrene	2000	J
85-68-7	Butylbenzylphthalate	7600	U
91-94-1	3,3'-Dichlorobenzidine	7600	U
56-55-3	Benzo(a)Anthracene	1500	J
218-01-9	Chrysene	1400	J
117-81-7	bis(2-Ethylhexyl)Phthalate	7600	U
117-84-0	Di-n-Octyl Phthalate	7600	U
205-99-2	Benzo(b)Fluoranthene	1800	J
207-08-9	Benzo(k)Fluoranthene	1500	J
50-32-8	Benzo(a)Pyrene	1400	J
193-39-5	Indeno(1,2,3-cd)Pyrene	1700	J
53-70-3	Dibenz(a,h)Anthracene	610	J
191-24-2	Benzo(g,h,i)Perylene	960	J

JBS

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS11S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184438

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184438D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 8.5

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.17~~	~~25000~~	~~BJXNA~~ R
2.	UNKNOWN	31.68	2800	JX
3.	UNKNOWN	31.88	3500	JX
4.	UNKNOWN	32.78	2100	JX
5.	UNKNOWN	32.98	3600	JX
6.	UNKNOWN	33.15	9200	JX
7.	UNKNOWN	33.22	1600	JX
8.	UNKNOWN	33.63	3400	JX
9.	UNKNOWN	33.87	2400	JX
10.	UNKNOWN POLYTERPENE DERIVATI	33.95	1800	JX
11.	UNKNOWN	34.15	3100	JX
12.	UNKNOWN	34.92	2000	JX
13.	UNKNOWN	35.28	2100	JX
14.	UNKNOWN	35.32	2200	JX
15.	UNKNOWN	42.58	1600	JX
16.	UNKNOWN POLYTERPENE DERIVATI	42.63	2100	JX
17.	UNKNOWN POLYTERPENE DERIVATI	43.48	2300	JX

JBC

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS11S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184438

Phase Weight: 30.0 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 5.0 Date Analyzed: 06/04/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	180	U
11097-69-1	Aroclor-1254	870	NJ
11096-82-5	Aroclor-1260	2400	

JGB

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS11S

Lab Name: AQUATEC_______________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184438____

Level (low/med): LOW__ Date Received: 05/20/93

% Solids: _86.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8790			P
7440-36-0	Antimony	16.8		~~N*~~ J	P
7440-38-2	Arsenic	44.2		~~N*~~ J	F
7440-39-3	Barium	925			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	20.9			P
7440-70-2	Calcium	52300		~~*~~ J	P
7440-47-3	Chromium	51.6			P
7440-48-4	Cobalt	12.2			P
7440-50-8	Copper	1350		~~*~~ J	P
7439-89-6	Iron	43200		*	P
7439-92-1	Lead	9700		~~*~~ J	P
7439-95-4	Magnesium	4240			P
7439-96-5	Manganese	530			P
7439-97-6	Mercury	0.14		~~N~~ J	CV
7440-02-0	Nickel	73.0		~~N~~ J	P
7440-09-7	Potassium	1090			P
7782-49-2	Selenium	0.22	U	~~WN~~ J	F
7440-22-4	Silver	1.0	B	~~N*~~ J	P
7440-23-5	Sodium	133	B		P
7440-28-0	Thallium	0.52	U	J	F
7440-62-2	Vanadium	22.1			P
7440-66-6	Zinc	2310			P
	Cyanide	0.60	U		C

560

Color Before: BLACK____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
STICKS_WERE_PRESENT.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184886

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184886D2S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3900	U
111-44-4	bis(2-Chloroethyl)Ether	3900	U
95-57-8	2-Chlorophenol	3900	U
541-73-1	1,3-Dichlorobenzene	3900	U
106-46-7	1,4-Dichlorobenzene	3900	U
95-50-1	1,2-Dichlorobenzene	3900	U
95-48-7	2-Methylphenol	3900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3900	U
106-44-5	4-Methylphenol	3900	U
621-64-7	N-Nitroso-Di-n-Propylamine	3900	U
67-72-1	Hexachloroethane	3900	U
98-95-3	Nitrobenzene	3900	U
78-59-1	Isophorone	3900	U
88-75-5	2-Nitrophenol	3900	U
105-67-9	2,4-Dimethylphenol	3900	U
111-91-1	bis(2-Chloroethoxy)Methane	3900	U
120-83-2	2,4-Dichlorophenol	3900	U
120-82-1	1,2,4-Trichlorobenzene	3900	U
91-20-3	Naphthalene	1100	J
106-47-8	4-Chloroaniline	3900	U
87-68-3	Hexachlorobutadiene	3900	U
59-50-7	4-Chloro-3-Methylphenol	3900	U
91-57-6	2-Methylnaphthalene	360	J
77-47-4	Hexachlorocyclopentadiene	3900	U
88-06-2	2,4,6-Trichlorophenol	3900	U
95-95-4	2,4,5-Trichlorophenol	9400	U
91-58-7	2-Chloronaphthalene	3900	U
88-74-4	2-Nitroaniline	9400	U
131-11-3	Dimethylphthalate	3900	U
208-96-8	Acenaphthylene	3900	U
606-20-2	2,6-Dinitrotoluene	3900	U
99-09-2	3-Nitroaniline	9400	U
83-32-9	Acenaphthene	2500	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184886

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184886D2S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 15   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y   pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9400	U
100-02-7	4-Nitrophenol	9400	U
132-64-9	Dibenzofuran	1200	J
121-14-2	2,4-Dinitrotoluene	3900	U
84-66-2	Diethylphthalate	3900	U
7005-72-3	4-Chlorophenyl-phenylether	3900	U
86-73-7	Fluorene	1800	J
100-01-6	4-Nitroaniline	9400	U
534-52-1	4,6-Dinitro-2-methylphenol	9400	U
86-30-6	N-Nitrosodiphenylamine (1)	3900	U
101-55-3	4-Bromophenyl-phenylether	3900	U
118-74-1	Hexachlorobenzene	3900	U
87-86-5	Pentachlorophenol	9400	U
85-01-8	Phenanthrene	19000	
120-12-7	Anthracene	4500	
86-74-8	Carbazole	2400	J
84-74-2	Di-n-Butylphthalate	3900 ~~460~~	~~J~~ u
206-44-0	Fluoranthene	22000	
129-00-0	Pyrene	18000	
85-68-7	Butylbenzylphthalate	3900	U
91-94-1	3,3'-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)Anthracene	8300	
218-01-9	Chrysene	7500	
117-81-7	bis(2-Ethylhexyl)Phthalate	3900 ~~1300~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	3900	U
205-99-2	Benzo(b)Fluoranthene	5400	
207-08-9	Benzo(k)Fluoranthene	5800	
50-32-8	Benzo(a)Pyrene	6200	
193-39-5	Indeno(1,2,3-cd)Pyrene	3100	J
53-70-3	Dibenz(a,h)Anthracene	1200	J
191-24-2	Benzo(g,h,i)Perylene	1400	J

JBD

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS12S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184886

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184886D2S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 15 decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y   pH: 9.1

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.25~~	~~34000~~	~~BJXNA~~
2.	832-71-3	PHENANTHRENE, 3-METHYL-	32.80	2000	JXN
3.	2531-84-2	PHENANTHRENE, 2-METHYL-	32.90	2000	JXN
4.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	33.22	3400	JXN
5.		UNKNOWN BENZONAPHTHOFURAN	35.87	1900	JX
6.	238-84-6	11H-BENZO[A]FLUORENE	37.03	3100	JXN
7.	243-17-4	11H-BENZO[B]FLUORENE Unknown	37.22	1600	JXN
8.	646-13-9	OCTADECANOIC ACID, ~~2-METHYLP~~	37.97	1400	JX~~N~~
9.		~~UNKNOWN HEXANEDIOATE~~	~~38.15~~	~~3000~~	~~JXB~~ R
10.	195-19-7	BENZO[C]PHENANTHRENE	39.18	1500	JXNZ
11.	203-12-3	BENZO[GHI]FLUORANTHENE	39.28	1300	JXNZ
12.		UNKNOWN C18H12 PAH	40.30	1800	JX
13.		UNKNOWN FLUORANTHENAMINE	40.65	1300	JXZ
14.	593-49-7	HEPTACOSANE	41.23	2000	JXNZ
15.		UNKNOWN	42.83	1700	JXY
16.	630-03-5	~~NONACOSANE~~ Unknown alkane	43.50	3200	JX~~N~~
17.	123-28-4	~~PROPANOIC ACID, 3,3' THIOBIS~~	~~43.75~~	~~6100~~	~~JXNY~~
18.		UNKNOWN C20H12 PAH	43.98	2100	JX
19.	192-97-2	BENZO[E]PYRENE	44.70	4800	JXN
20.	198-55-0	PERYLENE	45.25	1700	JXN
21.		UNKNOWN ~~C31~~ ALKANE	46.45	2100	JX

JBS

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184886

Phase Weight: 30.2 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 10.0 Date Analyzed: 06/12/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	360	U
11104-28-2	Aroclor-1221	360	U
11141-16-5	Aroclor-1232	360	U
53469-21-9	Aroclor-1242	360	~~U~~ UJ
12672-29-6	Aroclor-1248	1900	J
11097-69-1	Aroclor-1254	2100	NJ
11096-82-5	Aroclor-1260	2300	

JGO

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS12S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix (soil/water): SOIL Lab Sample ID: 184886

Level (low/med): LOW Date Received: 05/26/93

% Solids: 85.1

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	16.1		~~N~~ J	P
7440-38-2	Arsenic	12.4		~~N~~ J	F
7440-39-3	Barium	165			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	8.9			P
7440-70-2	Calcium	51600		~~*~~ J	P
7440-47-3	Chromium	47.5		~~N~~ J	P
7440-48-4	Cobalt	10.3			P
7440-50-8	Copper	732			P
7439-89-6	Iron	41800			P
7439-92-1	Lead	487		~~N*~~ J	P
7439-95-4	Magnesium	4260			P
7439-96-5	Manganese	716			P
7439-97-6	Mercury	0.84		~~N~~ J	CV
7440-02-0	Nickel	50.5		*	P
7440-09-7	Potassium	1250			P
7782-49-2	Selenium	0.29	U	~~N~~ J	F
7440-22-4	Silver	0.72	B	~~N~~ J	P
7440-23-5	Sodium	126	B		P
7440-28-0	Thallium	0.67	U	~~W~~ J	F
7440-62-2	Vanadium	27.1			P
7440-66-6	Zinc	625		~~N*~~ J	P
	Cyanide	0.71	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS13S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184439

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184439D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3900	U
111-44-4	bis(2-Chloroethyl)Ether	3900	U
95-57-8	2-Chlorophenol	3900	U
541-73-1	1,3-Dichlorobenzene	3900	U
106-46-7	1,4-Dichlorobenzene	3900	U
95-50-1	1,2-Dichlorobenzene	3900	U
95-48-7	2-Methylphenol	3900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3900	U
106-44-5	4-Methylphenol	3900	U
621-64-7	N-Nitroso-Di-n-Propylamine	3900	U
67-72-1	Hexachloroethane	3900	U
98-95-3	Nitrobenzene	3900	U
78-59-1	Isophorone	3900	U
88-75-5	2-Nitrophenol	3900	U
105-67-9	2,4-Dimethylphenol	3900	U
111-91-1	bis(2-Chloroethoxy)Methane	3900	U
120-83-2	2,4-Dichlorophenol	3900	U
120-82-1	1,2,4-Trichlorobenzene	3900	U
91-20-3	Naphthalene	3900	U
106-47-8	4-Chloroaniline	3900	U
87-68-3	Hexachlorobutadiene	3900	U
59-50-7	4-Chloro-3-Methylphenol	3900	U
91-57-6	2-Methylnaphthalene	3900	U
77-47-4	Hexachlorocyclopentadiene	3900	U
88-06-2	2,4,6-Trichlorophenol	3900	U
95-95-4	2,4,5-Trichlorophenol	9400	U
91-58-7	2-Chloronaphthalene	3900	U
88-74-4	2-Nitroaniline	9400	U
131-11-3	Dimethylphthalate	3900	U
208-96-8	Acenaphthylene	3900	U
606-20-2	2,6-Dinitrotoluene	3900	U
99-09-2	3-Nitroaniline	9400	U
83-32-9	Acenaphthene	3900	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS13S

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184439

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: K184439D2S

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 15   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y   pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9400	U
100-02-7	4-Nitrophenol	9400	~~U~~ UJ
132-64-9	Dibenzofuran	3900	U
121-14-2	2,4-Dinitrotoluene	3900	U
84-66-2	Diethylphthalate	3900	U
7005-72-3	4-Chlorophenyl-phenylether	3900	U
86-73-7	Fluorene	3900	U
100-01-6	4-Nitroaniline	9400	U
534-52-1	4,6-Dinitro-2-methylphenol	9400	U
86-30-6	N-Nitrosodiphenylamine (1)	3900	U
101-55-3	4-Bromophenyl-phenylether	3900	U
118-74-1	Hexachlorobenzene	3900	U
87-86-5	Pentachlorophenol	9400	U
85-01-8	Phenanthrene	600	J
120-12-7	Anthracene	3900	U
86-74-8	Carbazole	3900	U
84-74-2	Di-n-Butylphthalate	3900 ~~570~~	~~J~~ U
206-44-0	Fluoranthene	1500	J
129-00-0	Pyrene	1300	J
85-68-7	Butylbenzylphthalate	3900	U
91-94-1	3,3'-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)Anthracene	610	J
218-01-9	Chrysene	570	J
117-81-7	bis(2-Ethylhexyl)Phthalate	3900 ~~820~~	~~BJ~~ U
117-84-0	Di-n-Octyl Phthalate	3900	U
205-99-2	Benzo(b)Fluoranthene	570	J
207-08-9	Benzo(k)Fluoranthene	430	J
50-32-8	Benzo(a)Pyrene	430	J
193-39-5	Indeno(1,2,3-cd)Pyrene	330	J
53-70-3	Dibenz(a,h)Anthracene	3900	U
191-24-2	Benzo(g,h,i)Perylene	260	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS13S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184439

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184439D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.20~~	~~22000~~	~~BJXNA~~ R
2.	UNKNOWN SESQUITERPENE	25.95	1500	JX
3.	UNKNOWN ALKANE	30.77	1800	JX
4.	UNKNOWN TRICHLOROBIPHENYL	30.98	2100	JX
5.	UNKNOWN TRICHLOROBIPHENYL	31.55	2000	JX
6.	UNKNOWN	31.90	1800	JX
7.	UNKNOWN ALKYLCYCLOHEXANE	32.03	1300	JX
8.	UNKNOWN TRICHLOROBIPHENYL	32.27	2200	JX
9.	UNKNOWN TRICHLOROBIPHENYL	32.32	2800	JX
10.	UNKNOWN TRICHLOROBIPHENYL	32.58	1700	JX
11.	UNKNOWN ALKYLCYCLOHEXANE	33.15	2600	JX
12.	UNKNOWN TETRACHLOROBIPHENYL	33.22	2500	JX
13.	UNKNOWN TETRACHLOROBIPHENYL	33.37	1200	JX
14.	UNKNOWN	33.62	1800	JX
15.	UNKNOWN TETRACHLOROBIPHENYL	33.83	1900	JX
16.	UNKNOWN POLYCHLOROBIPHENYLS	33.95	1600	JXZ
17.	UNKNOWN ALKANE	34.58	1200	JX
18.	UNKNOWN TETRACHLOROBIPHENYL	34.85	1600	JX
19.	UNKNOWN POLYCHLOROBIPHENYLS	34.98	2300	JXZ
20.	UNKNOWN	37.48	1100	JX
21.	UNKNOWN HEXACHLOROBIPHENYL	38.45	1100	JX

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS13S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184439

Phase Weight: 30.3 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 5.0 Date Analyzed: 06/17/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	180	U
11104-28-2	------Aroclor-1221	180	U
11141-16-5	------Aroclor-1232	180	U
53469-21-9	------Aroclor-1242	180	~~U~~ UJ
12672-29-6	------Aroclor-1248	44000 ~~43000~~	~~X~~ D
11097-69-1	------Aroclor-1254	9900 ~~8800~~	~~X~~ D
11096-82-5	------Aroclor-1260	3500	

JBD

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS13SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184439D1

Phase Weight: 30.3 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 50.0 Date Analyzed: 06/17/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	1800	U
11104-28-2	------Aroclor-1221	1800	U
11141-16-5	------Aroclor-1232	1800	U
53469-21-9	------Aroclor-1242	1800	U
12672-29-6	------Aroclor-1248	44000	D
11097-69-1	------Aroclor-1254	9900	D
11096-82-5	------Aroclor-1260	3700	D

JBO

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS13S

Lab Name: AQUATEC

Contract: 93208

Lab Code: AQUAI

Case No.: 93208

SAS No.:

SDG No.: 36838

Matrix (soil/water): SOIL

Lab Sample ID: 184439

Level (low/med): LOW

Date Received: 05/20/93

% Solids: 85.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	26.2		~~N*~~ J	P
7440-38-2	Arsenic	14.8		~~N*~~ J	F
7440-39-3	Barium	175			P
7440-41-7	Beryllium	0.66	B		P
7440-43-9	Cadmium	45.7			P
7440-70-2	Calcium	40000		~~*~~ J	P
7440-47-3	Chromium	140			P
7440-48-4	Cobalt	13.4			P
7440-50-8	Copper	4660		~~*~~ J	P
7439-89-6	Iron	42700		*	P
7439-92-1	Lead	2450		~~*~~ J	P
7439-95-4	Magnesium	3880			P
7439-96-5	Manganese	671			P
7439-97-6	Mercury	19.6		~~N~~ J	CV
7440-02-0	Nickel	60.2		~~N~~ J	P
7440-09-7	Potassium	1160			P
7782-49-2	Selenium	0.27	U	~~WN~~ J	F
7440-22-4	Silver	2.7		~~N*~~ J	P
7440-23-5	Sodium	112	B		P
7440-28-0	Thallium	0.62	U	J	F
7440-62-2	Vanadium	39.6			P
7440-66-6	Zinc	1230			P
	Cyanide	0.62	U		C

JBD

Color Before: BROWN

Clarity Before:

Texture: COARSE

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS14S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184440

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K184440D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)Ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-Di-n-Propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
111-91-1	bis(2-Chloroethoxy)Methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	1500	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-Methylphenol	1500	U
91-57-6	2-Methylnaphthalene	1500	U
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1500	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS14S

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184440

Sample wt/vol: 30.2 (g/mL) G   Lab File ID: K184440D2S

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 14   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y   pH: 8.1

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

CAS NO.	COMPOUND	UG/KG	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	~~U~~ UJ
132-64-9	Dibenzofuran	1500	U
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1500	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	79	J
86-74-8	Carbazole	1500	U
84-74-2	Di-n-Butylphthalate	1500 ~~450~~	~~J~~ u
206-44-0	Fluoranthene	750	J
129-00-0	Pyrene	610	J
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	270	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1500 ~~320~~	~~BJ~~ u
117-84-0	Di-n-Octyl Phthalate	1500	U
205-99-2	Benzo(b)Fluoranthene	280	J
207-08-9	Benzo(k)Fluoranthene	230	J
50-32-8	Benzo(a)Pyrene	220	J
193-39-5	Indeno(1,2,3-cd)Pyrene	190	J
53-70-3	Dibenz(a,h)Anthracene	91	J
191-24-2	Benzo(g,h,i)Perylene	110	J

NSD

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS14S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184440

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K184440D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.1

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.27~~	~~15000~~	~~BJXNA~~	R
2.		UNKNOWN ALIPHATIC	29.07	760	JX	
3.		UNKNOWN TRICHLOROBIPHENYL	32.28	710	JX	
4.		UNKNOWN TRICHLOROBIPHENYL	32.33	1300	JX	
5.		UNKNOWN	32.78	1000	JX	
6.		UNKNOWN ALIPHATIC	33.17	960	JX	
7.		UNKNOWN TETRACHLOROBIPHENYL	33.23	1500	JX	
8.		UNKNOWN TETRACHLOROBIPHENYL	33.38	630	JX	
9.		UNKNOWN TETRACHLOROBIPHENYL	33.85	1000	JX	
10.		UNKNOWN TETRACHLOROBIPHENYL	34.87	960	JX	
11.		UNKNOWN PENTACHLOROBIPHENYL	35.00	1700	JXZ	JB
12.		UNKNOWN PENTACHLOROBIPHENYL	35.55	990	JX	
13.		UNKNOWN PENTACHLOROBIPHENYL	36.55	1200	JX	
14.		UNKNOWN HEXACHLOROBIPHENYL	37.15	850	JX	
15.		UNKNOWN PENTACHLOROBIPHENYL	37.18	790	JX	
16.		UNKNOWN HEXACHLOROBIPHENYL	37.73	720	JX	
17.		UNKNOWN POLYCHLOROBIPHENYLS	37.90	590	JXZ	
18.		UNKNOWN HEXACHLOROBIPHENYL	38.47	1000	JX	
19.	593-49-7	~~HEPTACOSANE~~ Unknown	41.22	600	~~JXN~~ J	
20.	630-03-5	NONACOSANE	43.47	1400	JXN	
21.		UNKNOWN	46.40	1500	JX	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS14S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184440

Phase Weight: 30.1 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 2.0 Date Analyzed: 06/04/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	70	U
11104-28-2	------Aroclor-1221	70	U
11141-16-5	------Aroclor-1232	70	U
53469-21-9	------Aroclor-1242	70	U
12672-29-6	------Aroclor-1248	17000	~~X~~ D
11097-69-1	------Aroclor-1254	7800 ~~7700~~	~~X~~ D
11096-82-5	------Aroclor-1260	3200 ~~3100~~	~~X~~ D

JDO

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS14SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil

Lab Sample ID: 184440D1

Phase Weight: 30.1 (g)

Date Received: 05/20/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/25/93

Dilution Factor: 20.0

Date Analyzed: 06/04/93

% Solids: 86

Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	700	U
11104-28-2	Aroclor-1221	700	U
11141-16-5	Aroclor-1232	700	U
53469-21-9	Aroclor-1242	700	U
12672-29-6	Aroclor-1248	17000	D
11097-69-1	Aroclor-1254	7800	D
11096-82-5	Aroclor-1260	3200	D

JBD

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS14S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184440

Level (low/med): LOW Date Received: 05/20/93

% Solids: 85.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9140			P
7440-36-0	Antimony	18.8		~~N*~~ J	P
7440-38-2	Arsenic	7.5		~~N*~~ J	F
7440-39-3	Barium	141			P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	5.2			P
7440-70-2	Calcium	53600		~~*~~ J	P
7440-47-3	Chromium	29.2			P
7440-48-4	Cobalt	9.2			P
7440-50-8	Copper	464		~~*~~ J	P
7439-89-6	Iron	31700		*	P
7439-92-1	Lead	738		~~*~~ J	P
7439-95-4	Magnesium	3230			P
7439-96-5	Manganese	783			P
7439-97-6	Mercury	0.57		~~N~~ J	CV
7440-02-0	Nickel	31.9		~~N~~ J	P
7440-09-7	Potassium	990			P
7782-49-2	Selenium	0.25	U	~~WN~~ J	F
7440-22-4	Silver	1.4	B	~~N*~~ J	P
7440-23-5	Sodium	81.8	B		P
7440-28-0	Thallium	0.57	U	J	F
7440-62-2	Vanadium	22.6			P
7440-66-6	Zinc	801			P
	Cyanide	0.59	U		C

JGD

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15S

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184441

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184441D2S

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 10   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0   (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y   pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3700	U
111-44-4	bis(2-Chloroethyl)Ether	3700	U
95-57-8	2-Chlorophenol	3700	U
541-73-1	1,3-Dichlorobenzene	3700	U
106-46-7	1,4-Dichlorobenzene	3700	U
95-50-1	1,2-Dichlorobenzene	3700	U
95-48-7	2-Methylphenol	3700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3700	U
106-44-5	4-Methylphenol	3700	U
621-64-7	N-Nitroso-Di-n-Propylamine	3700	U
67-72-1	Hexachloroethane	3700	U
98-95-3	Nitrobenzene	3700	U
78-59-1	Isophorone	3700	U
88-75-5	2-Nitrophenol	3700	U
105-67-9	2,4-Dimethylphenol	3700	U
111-91-1	bis(2-Chloroethoxy)Methane	3700	U
120-83-2	2,4-Dichlorophenol	3700	U
120-82-1	1,2,4-Trichlorobenzene	3700	U
91-20-3	Naphthalene	3700	U
106-47-8	4-Chloroaniline	3700	U
87-68-3	Hexachlorobutadiene	3700	U
59-50-7	4-Chloro-3-Methylphenol	3700	U
91-57-6	2-Methylnaphthalene	3700	U
77-47-4	Hexachlorocyclopentadiene	3700	U
88-06-2	2,4,6-Trichlorophenol	3700	U
95-95-4	2,4,5-Trichlorophenol	8900	U
91-58-7	2-Chloronaphthalene	3700	U
88-74-4	2-Nitroaniline	8900	U
131-11-3	Dimethylphthalate	3700	U
208-96-8	Acenaphthylene	3700	U
606-20-2	2,6-Dinitrotoluene	3700	U
99-09-2	3-Nitroaniline	8900	U
83-32-9	Acenaphthene	3700	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184441

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184441D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	8900	U
100-02-7	4-Nitrophenol	8900	~~U~~ UJ
132-64-9	Dibenzofuran	3700	U
121-14-2	2,4-Dinitrotoluene	3700	U
84-66-2	Diethylphthalate	3700	U
7005-72-3	4-Chlorophenyl-phenylether	3700	U
86-73-7	Fluorene	3700	U
100-01-6	4-Nitroaniline	8900	U
534-52-1	4,6-Dinitro-2-methylphenol	8900	U
86-30-6	N-Nitrosodiphenylamine (1)	3700	U
101-55-3	4-Bromophenyl-phenylether	3700	U
118-74-1	Hexachlorobenzene	3700	U
87-86-5	Pentachlorophenol	8900	U
85-01-8	Phenanthrene	970	J
120-12-7	Anthracene	210	J
86-74-8	Carbazole	210	J
84-74-2	Di-n-Butylphthalate	3700 ~~720~~	~~J~~ u
206-44-0	Fluoranthene	2400	J
129-00-0	Pyrene	1900	J
85-68-7	Butylbenzylphthalate	3700	U
91-94-1	3,3'-Dichlorobenzidine	3700	U
56-55-3	Benzo(a)Anthracene	1000	J
218-01-9	Chrysene	980	J
117-81-7	bis(2-Ethylhexyl)Phthalate	3700 ~~430~~	~~BJ~~ u
117-84-0	Di-n-Octyl Phthalate	3700	U
205-99-2	Benzo(b)Fluoranthene	940	J
207-08-9	Benzo(k)Fluoranthene	770	J
50-32-8	Benzo(a)Pyrene	810	J
193-39-5	Indeno(1,2,3-cd)Pyrene	480	J
53-70-3	Dibenz(a,h)Anthracene	3700	U
191-24-2	Benzo(g,h,i)Perylene	240	J

JbB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS15S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184441

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184441D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 10 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.5

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.22~~	~~27000~~	~~BJXNA~~ R
2.	629-78-7	HEPTADECANE	29.27	1700	JXN
3.	593-45-3	OCTADECANE	30.78	2200	JXN
4.		UNKNOWN ALIPHATIC	33.17	2800	JX
5.		UNKNOWN TETRACHLOROBIPHENYL	33.23	1300	JX
6.		UNKNOWN POLYTERPENE DERIVATI	33.63	1300	JX
7.		UNKNOWN PENTACHLOROBIPHENYL	35.00	1600	JXZ
8.		UNKNOWN PENTACHLOROBIPHENYL	35.57	1200	JX
9.		UNKNOWN PENTACHLOROBIPHENYL	36.55	1300	JX
10.		UNKNOWN HEXACHLOROBIPHENYL	37.15	1400	JX
11.		UNKNOWN	37.50	1700	JX
12.		UNKNOWN HEXACHLOROBIPHENYL	37.73	1200	JX
13.	646-31-1	TETRACOSANE	38.07	1700	JXN
14.		UNKNOWN HEXACHLOROBIPHENYL	38.47	1900	JX
15.	629-99-2	PENTACOSANE	39.15	2400	JXN
16.	630-01-3	HEXACOSANE	40.20	2000	JXN
17.	593-49-7	HEPTACOSANE	41.22	2500	JXN
18.	630-02-4	OCTACOSANE	42.27	1800	JXN
19.	630-03-5	NONACOSANE	43.45	4200	JXN
20.	638-68-6	TRIACONTANE	44.82	1800	JXN
21.		UNKNOWN ~~C31~~-ALKANE	46.40	1800	~~JX~~ J

JBS

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. _____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184441

Phase Weight: 30.0 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 2.0 Date Analyzed: 06/04/93

% Solids: 90 Sulfur Clean-up: N (Y/N)

pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	67	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	67	U
53469-21-9	Aroclor-1242	67	U
12672-29-6	Aroclor-1248	11000 ~~10000~~	~~X~~ D
11097-69-1	Aroclor-1254	8500 ~~5500~~	~~X~~ D
11096-82-5	Aroclor-1260	9000 ~~8200~~	~~X~~ D

JBB

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. _____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184441D1

Phase Weight: 30.0 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 20.0 Date Analyzed: 06/04/93

% Solids: 90 Sulfur Clean-up: N (Y/N)

pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	670	U
11104-28-2	Aroclor-1221	670	U
11141-16-5	Aroclor-1232	670	U
53469-21-9	Aroclor-1242	670	U
12672-29-6	Aroclor-1248	11000	D
11097-69-1	Aroclor-1254	8500	D
11096-82-5	Aroclor-1260	9000	D

JSD

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS15S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184441

Level (low/med): LOW Date Received: 05/20/93

% Solids: 89.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	9.9	B	~~N*~~ J	P
7440-38-2	Arsenic	9.8		~~N*~~ J	F
7440-39-3	Barium	148			P
7440-41-7	Beryllium	0.76	B		P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	23000		~~*~~ J	P
7440-47-3	Chromium	54.1			P
7440-48-4	Cobalt	11.9			P
7440-50-8	Copper	565		~~*~~ J	P
7439-89-6	Iron	45200		*	P
7439-92-1	Lead	643		~~*~~ J	P
7439-95-4	Magnesium	4260			P
7439-96-5	Manganese	700			P
7439-97-6	Mercury	0.44		~~N~~ J	CV
7440-02-0	Nickel	43.5		~~N~~ J	P
7440-09-7	Potassium	1140			P
7782-49-2	Selenium	0.25	U	~~WN~~ J	F
7440-22-4	Silver	1.5	B	~~N*~~ J	P
7440-23-5	Sodium	112	B		P
7440-28-0	Thallium	0.58	U	J	F
7440-62-2	Vanadium	28.1			P
7440-66-6	Zinc	732			P
	Cyanide	0.57	U		C

JDD

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS16S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184442

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184442D2S

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y   pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3800	U
111-44-4	bis(2-Chloroethyl)Ether	3800	U
95-57-8	2-Chlorophenol	3800	U
541-73-1	1,3-Dichlorobenzene	3800	U
106-46-7	1,4-Dichlorobenzene	3800	U
95-50-1	1,2-Dichlorobenzene	3800	U
95-48-7	2-Methylphenol	3800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3800	U
106-44-5	4-Methylphenol	3800	U
621-64-7	N-Nitroso-Di-n-Propylamine	3800	U
67-72-1	Hexachloroethane	3800	U
98-95-3	Nitrobenzene	3800	U
78-59-1	Isophorone	3800	U
88-75-5	2-Nitrophenol	3800	U
105-67-9	2,4-Dimethylphenol	3800	U
111-91-1	bis(2-Chloroethoxy)Methane	3800	U
120-83-2	2,4-Dichlorophenol	3800	U
120-82-1	1,2,4-Trichlorobenzene	3800	U
91-20-3	Naphthalene	3800	U
106-47-8	4-Chloroaniline	3800	U
87-68-3	Hexachlorobutadiene	3800	U
59-50-7	4-Chloro-3-Methylphenol	3800	U
91-57-6	2-Methylnaphthalene	3800	U
77-47-4	Hexachlorocyclopentadiene	3800	U
88-06-2	2,4,6-Trichlorophenol	3800	U
95-95-4	2,4,5-Trichlorophenol	9200	U
91-58-7	2-Chloronaphthalene	3800	U
88-74-4	2-Nitroaniline	9200	U
131-11-3	Dimethylphthalate	3800	U
208-96-8	Acenaphthylene	3800	U
606-20-2	2,6-Dinitrotoluene	3800	U
99-09-2	3-Nitroaniline	9200	U
83-32-9	Acenaphthene	3800	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS16S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184442

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184442D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9200	U
100-02-7	4-Nitrophenol	9200	~~U~~ UJ
132-64-9	Dibenzofuran	3800	U
121-14-2	2,4-Dinitrotoluene	3800	U
84-66-2	Diethylphthalate	3800	U
7005-72-3	4-Chlorophenyl-phenylether	3800	U
86-73-7	Fluorene	3800	U
100-01-6	4-Nitroaniline	9200	U
534-52-1	4,6-Dinitro-2-methylphenol	9200	U
86-30-6	N-Nitrosodiphenylamine (1)	3800	U
101-55-3	4-Bromophenyl-phenylether	3800	U
118-74-1	Hexachlorobenzene	3800	U
87-86-5	Pentachlorophenol	9200	U
85-01-8	Phenanthrene	570	J
120-12-7	Anthracene	3800	U
86-74-8	Carbazole	3800	U
84-74-2	Di-n-Butylphthalate	3800 ~~440~~	~~J~~ u
206-44-0	Fluoranthene	910	J
129-00-0	Pyrene	730	J
85-68-7	Butylbenzylphthalate	3800	U
91-94-1	3,3'-Dichlorobenzidine	3800	U
56-55-3	Benzo(a)Anthracene	260	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)Phthalate	3800	U
117-84-0	Di-n-Octyl Phthalate	3800	U
205-99-2	Benzo(b)Fluoranthene	260	J
207-08-9	Benzo(k)Fluoranthene	190	J
50-32-8	Benzo(a)Pyrene	200	J
193-39-5	Indeno(1,2,3-cd)Pyrene	3800	U
53-70-3	Dibenz(a,h)Anthracene	3800	U
191-24-2	Benzo(g,h,i)Perylene	3800	U

JBB

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS16S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184442

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184442D2S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 123-42-2	2 ~~PENTANONE, 4-HYDROXY-4-MET~~	~~10.23~~	~~25000~~	~~BJXNA~~	R
2.	UNKNOWN ALIPHATIC	27.62	1500	JX	
3. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	29.27	1300	JXN	
4. 638-36-8	HEXADECANE, 2,6,10,14-TETRAM	30.78	1600	JXN	
5.	UNKNOWN	31.92	1100	JX	
6.	UNKNOWN	33.00	1000	JX	
7.	UNKNOWN ALIPHATIC	33.17	2100	JX	
8.	UNKNOWN	33.63	1200	JX	
9.	UNKNOWN ALIPHATIC	33.87	840	JX	JJS
10.	UNKNOWN	43.48	800	JX	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS16S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184442

Phase Weight: 30.0 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 10.0 Date Analyzed: 06/04/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	350	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	350	U
53469-21-9	Aroclor-1242	350	U
12672-29-6	Aroclor-1248	3800	
11097-69-1	Aroclor-1254	2000	
11096-82-5	Aroclor-1260	1800	

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS16S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184442

Level (low/med): LOW__ Date Received: 05/20/93

% Solids: _87.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12500			P
7440-36-0	Antimony	6.1	U	~~N*~~ J	P
7440-38-2	Arsenic	8.1		~~N*~~ J	F
7440-39-3	Barium	109			P
7440-41-7	Beryllium	0.70	B		P
7440-43-9	Cadmium	2.0		J	P
7440-70-2	Calcium	19800		*	P
7440-47-3	Chromium	17.8			P
7440-48-4	Cobalt	9.9	B		P
7440-50-8	Copper	60.1		~~*~~ J	P
7439-89-6	Iron	28200		*	P
7439-92-1	Lead	120		~~*~~ J	P
7439-95-4	Magnesium	3850			P
7439-96-5	Manganese	533			P
7439-97-6	Mercury	0.12		~~N~~ J	CV
7440-02-0	Nickel	30.0		~~N~~ J	P
7440-09-7	Potassium	897	B		P
7782-49-2	Selenium	0.21	U	~~WN~~ J	F
7440-22-4	Silver	0.95	U	~~N*~~ J	P
7440-23-5	Sodium	114	U		P
7440-28-0	Thallium	0.49	U	J	F
7440-62-2	Vanadium	24.6			P
7440-66-6	Zinc	340			P
	Cyanide	0.68	U		C

JBB

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS17S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184443

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K184443I3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	29	J
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	33	J
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	22	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS17S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184443

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K184443I3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	~~U~~ UJ
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	61	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	720	
120-12-7	Anthracene	96	J
86-74-8	Carbazole	44	J
84-74-2	Di-n-Butylphthalate	440 ~~470~~	u
206-44-0	Fluoranthene	840	
129-00-0	Pyrene	920	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	440	J
218-01-9	Chrysene	490	
117-81-7	bis(2-Ethylhexyl)Phthalate	440	U
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	370	J
207-08-9	Benzo(k)Fluoranthene	280	J
50-32-8	Benzo(a)Pyrene	350	J
193-39-5	Indeno(1,2,3-cd)Pyrene	180	J
53-70-3	Dibenz(a,h)Anthracene	93	J
191-24-2	Benzo(g,h,i)Perylene	150	J

JBS

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS17S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184443

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K184443I3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 123-42-2	2~~-PENTANONE, 4-HYDROXY-4-MET~~	~~10.48~~	~~13000~~	~~BJXNA~~	R
2. 121-33-5	BENZALDEHYDE, 4-HYDROXY-3-ME	24.55	350	JXN	
3.	UNKNOWN ALIPHATIC	29.05	1200	JX	
4. 1002-84-2	PENTADECANOIC ACID	30.90	520	JXN	
5.	UNKNOWN HEXADECENOIC ACID	32.57	420	JX	
6. 57-10-3	HEXADECANOIC ACID	32.78	1600	JXNZ	
7.	UNKNOWN METHYLPHENANTHRENE	33.17	330	JXZ	
8. 57-11-4	OCTADECANOIC ACID	35.32	260	JXN	
9.	UNKNOWN ALKYLPHENOL	36.97	310	JX	
10. 629-99-2	PENTACOSANE	39.15	940	JXN	JBB
11.	UNKNOWN AROMATIC	39.32	600	JX	
12. 593-49-7	HEPTACOSANE	41.22	1400	JXN	
13. 2442-49-1	TETRACOSANOIC ACID, METHYL E	41.55	420	JNXZ	
14.	UNKNOWN ALIPHATIC AMIDE	42.30	630	JXB	
15.	UNKNOWN ALKANAL	42.82	1100	JXZ	
16. 630-03-5	NONACOSANE	43.48	4700	JXN	
17. 192-97-2	BENZO[E]PYRENE	44.67	490	JXN	
18.	UNKNOWN ALKANAL	45.60	560	JX	
19.	UNKNOWN ~~C31~~-ALKANE	46.45	3500	~~JX~~ J	
20.	UNKNOWN ALIPHATIC ALCOHOL	46.63	530	JX	
21.	UNKNOWN ~~C33~~-ALKANE	50.57	590	~~JX~~ J	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS17S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184443

Phase Weight: 30.2 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/04/93

% Solids: 75 Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	40	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	150	NJ
11096-82-5	Aroclor-1260	93	NJ

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS17S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184443

Level (low/med): LOW Date Received: 05/20/93

% Solids: 74.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14000			P
7440-36-0	Antimony	6.9	B	N*J	P
7440-38-2	Arsenic	10.3		N*J	F
7440-39-3	Barium	251			P
7440-41-7	Beryllium	0.73	B		P
7440-43-9	Cadmium	28.3			P
7440-70-2	Calcium	5560		*J	P
7440-47-3	Chromium	39.0			P
7440-48-4	Cobalt	11.7			P
7440-50-8	Copper	133		*J	P
7439-89-6	Iron	52500		*	P
7439-92-1	Lead	671		*J	P
7439-95-4	Magnesium	3950			P
7439-96-5	Manganese	619			P
7439-97-6	Mercury	0.45		NJ	CV
7440-02-0	Nickel	48.8		NJ	P
7440-09-7	Potassium	1550			P
7782-49-2	Selenium	0.29	U	WNJ	F
7440-22-4	Silver	0.98	B	N*J	P
7440-23-5	Sodium	108	U		P
7440-28-0	Thallium	0.66	U	J	F
7440-62-2	Vanadium	29.3			P
7440-66-6	Zinc	936			P
	Cyanide	0.80	U		C

JD

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILM02.1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS18S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184887

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184887S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS18S

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184887

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184887S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	35	J
86-74-8	Carbazole	25	J
84-74-2	Di-n-Butylphthalate	370 ~~88~~	~~J~~ U
206-44-0	Fluoranthene	270	J
129-00-0	Pyrene	250	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	120	J
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)Phthalate	370 ~~39~~	~~J~~ U
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	100	J
207-08-9	Benzo(k)Fluoranthene	93	J
50-32-8	Benzo(a)Pyrene	120	J
193-39-5	Indeno(1,2,3-cd)Pyrene	53	J
53-70-3	Dibenz(a,h)Anthracene	22	J
191-24-2	Benzo(g,h,i)Perylene	110	J

DDD

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS18S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184887

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184887S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 12   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 9.5

Number TICs found: 17

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.65~~	~~5900~~	~~BJXNA~~
2.		UNKNOWN ALIPHATIC	29.30	140	JX
3.	57-10-3	HEXADECANOIC ACID	33.02	520	JXN
4.		UNKNOWN	33.40	270	JX
5.		UNKNOWN ALKANE	34.83	140	JX
6.		UNKNOWN ALIPHATIC	35.35	250	JX
7.	57-11-4	OCTADECANOIC ACID	35.58	630	JXN
8.		UNKNOWN HEXADECANOATE	35.92	1200	JX
9.		UNKNOWN HEXACHLOROBIPHENYL	37.42	98	JX
10.	646-13-9	OCTADECANOIC ACID, ~~2-METHYLP~~ Unknown	38.22	2500	JX~~N~~
11.		~~UNKNOWN HEXANEDIOATE~~	~~38.42~~	~~2800~~	~~JX~~ R
12.		UNKNOWN HEXACHLOROBIPHENYL	38.75	140	JX
13.	593-49-7	HEPTACOSANE W/ C19H14-PAH	41.50	210	JXNZ
14.		UNKNOWN ALKANAL W/ SEPTUM BL	43.17	300	JXZ
15.	630-03-5	~~NONACOSANE~~ Unknown alkane	43.85	250	JX~~N~~
16.	192-97-2	BENZO[E]PYRENE	45.08	140	JXN
17.		UNKNOWN ~~C31~~ ALKANE	46.93	260	JX

JBO

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS18S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184887

Phase Weight: 30.3 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 5.0 Date Analyzed: 06/12/93

% Solids: 88 Sulfur Clean-up: N (Y/N)

pH: 9.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	620	J
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	1400	

JGS

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS18S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix (soil/water): SOIL Lab Sample ID: 184887

Level (low/med): LOW Date Received: 05/26/93

% Solids: 87.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	8.5		~~N~~ J	P
7440-38-2	Arsenic	9.3		~~N~~ J	F
7440-39-3	Barium	111			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	3.2			P
7440-70-2	Calcium	26300		~~*~~ J	P
7440-47-3	Chromium	90.2		~~N~~ J	P
7440-48-4	Cobalt	11.7			P
7440-50-8	Copper	1340			P
7439-89-6	Iron	53900			P
7439-92-1	Lead	439		~~N*~~ J	P
7439-95-4	Magnesium	4090			P
7439-96-5	Manganese	736			P
7439-97-6	Mercury	0.12		~~N~~ J	CV
7440-02-0	Nickel	90.1		*	P
7440-09-7	Potassium	970			P
7782-49-2	Selenium	0.20	U	~~WN~~ J	F
7440-22-4	Silver	0.57	U	~~N~~ J	P
7440-23-5	Sodium	67.8	U		P
7440-28-0	Thallium	0.45	U		F
7440-62-2	Vanadium	29.7			P
7440-66-6	Zinc	382		~~N*~~ J	P
	Cyanide	0.67	U		C

JBB

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS19S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184444

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184444D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 33.3

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	13000	U
111-44-4	bis(2-Chloroethyl)Ether	13000	~~U UJ~~ JBB
95-57-8	2-Chlorophenol	13000	U
541-73-1	1,3-Dichlorobenzene	13000	U
106-46-7	1,4-Dichlorobenzene	13000	U
95-50-1	1,2-Dichlorobenzene	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	13000	U
106-44-5	4-Methylphenol	13000	U
621-64-7	N-Nitroso-Di-n-Propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	U
78-59-1	Isophorone	13000	U
88-75-5	2-Nitrophenol	13000	U
105-67-9	2,4-Dimethylphenol	13000	U
111-91-1	bis(2-Chloroethoxy)Methane	13000	U
120-83-2	2,4-Dichlorophenol	13000	U
120-82-1	1,2,4-Trichlorobenzene	13000	U
91-20-3	Naphthalene	13000	U
106-47-8	4-Chloroaniline	13000	U
87-68-3	Hexachlorobutadiene	13000	U
59-50-7	4-Chloro-3-Methylphenol	13000	U
91-57-6	2-Methylnaphthalene	13000	U
77-47-4	Hexachlorocyclopentadiene	13000	U
88-06-2	2,4,6-Trichlorophenol	13000	U
95-95-4	2,4,5-Trichlorophenol	31000	U
91-58-7	2-Chloronaphthalene	13000	U
88-74-4	2-Nitroaniline	31000	U
131-11-3	Dimethylphthalate	13000	U
208-96-8	Acenaphthylene	13000	U
606-20-2	2,6-Dinitrotoluene	13000	U
99-09-2	3-Nitroaniline	31000	~~U UJ~~ JBB
83-32-9	Acenaphthene	13000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS19S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184444

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184444D3S

Level: (low/med) LOW   Date Received: 05/20/93

% Moisture: 14   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 33.3

GPC Cleanup: (Y/N) Y   pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	31000	~~U UJ~~ JBB
100-02-7	4-Nitrophenol	31000	~~U~~ UJ
132-64-9	Dibenzofuran	13000	U
121-14-2	2,4-Dinitrotoluene	13000	~~U UJ~~ JBB
84-66-2	Diethylphthalate	13000	U
7005-72-3	4-Chlorophenyl-phenylether	13000	U
86-73-7	Fluorene	13000	U
100-01-6	4-Nitroaniline	31000	~~U UJ~~ JBB
534-52-1	4,6-Dinitro-2-methylphenol	31000	~~U UJ~~ JBB
86-30-6	N-Nitrosodiphenylamine (1)	13000	U
101-55-3	4-Bromophenyl-phenylether	13000	U
118-74-1	Hexachlorobenzene	13000	U
87-86-5	Pentachlorophenol	31000	U
85-01-8	Phenanthrene	13000	U
120-12-7	Anthracene	13000	U
86-74-8	Carbazole	13000	U
84-74-2	Di-n-Butylphthalate	13000	~~U UJ~~ JBB
206-44-0	Fluoranthene	13000	U
129-00-0	Pyrene	680	J
85-68-7	Butylbenzylphthalate	13000	U
91-94-1	3,3'-Dichlorobenzidine	13000	U
56-55-3	Benzo(a)Anthracene	13000	U
218-01-9	Chrysene	13000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	13000	U
117-84-0	Di-n-Octyl Phthalate	13000	~~U UJ~~ JBB
205-99-2	Benzo(b)Fluoranthene	13000	U
207-08-9	Benzo(k)Fluoranthene	13000	U
50-32-8	Benzo(a)Pyrene	13000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	13000	U
53-70-3	Dibenz(a,h)Anthracene	13000	U
191-24-2	Benzo(g,h,i)Perylene	13000	~~U UJ~~ JBB

(1) - Cannot be separated from Diphenylamine

FORM I SV-2   3/90

The only remaining Flag is on 4-Nitrophenol JBB

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS19S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184444

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184444D3S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 33.3

GPC Cleanup: (Y/N) Y pH: 8.4

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.18~~	~~22000~~	~~BJXNA~~	R
2.		UNKNOWN SESQUITERPENE	25.30	12000	JX	
3.		UNKNOWN SESQUITERPENE	25.82	7700	JX	
4.		UNKNOWN SESQUITERPENE	25.95	28000	JX	
5.		UNKNOWN SESQUITERPENE	27.38	12000	JX	
6.		UNKNOWN SESQUITERPENE	27.50	6400	JX	
7.		UNKNOWN ALIPHATIC	27.62	23000	JX	
8.		UNKNOWN ALKANE	28.38	6200	JX	
9.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	29.27	14000	JXN	
10.		UNKNOWN	29.97	5300	JX	
11.		UNKNOWN ALKANE	30.55	4900	JX	
12.	638-36-8	HEXADECANE, 2,6,10,14-TETRAM	30.78	14000	JXN	
13.	629-92-5	NONADECANE	31.92	8800	JNX	JD
14.		UNKNOWN	32.03	6600	JX	
15.		UNKNOWN	33.13	6000	JX	
16.		UNKNOWN ALIPHATIC	33.17	6600	JX	
17.		UNKNOWN ALKANE	33.32	4900	JX	
18.		UNKNOWN	33.62	6800	JX	
19.		UNKNOWN ALKANE	34.32	4400	JX	
20.		UNKNOWN	42.82	7100	JXB	
21.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~43.52~~	~~10000~~	~~JXN~~	R

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS19SRE

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184444R1

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184444D4S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 33.3

GPC Cleanup: (Y/N) Y pH: 8.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	13000	U
111-44-4	bis(2-Chloroethyl)Ether	13000	U
95-57-8	2-Chlorophenol	13000	U
541-73-1	1,3-Dichlorobenzene	13000	U
106-46-7	1,4-Dichlorobenzene	13000	U
95-50-1	1,2-Dichlorobenzene	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	13000	U
106-44-5	4-Methylphenol	13000	U
621-64-7	N-Nitroso-Di-n-Propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	U
78-59-1	Isophorone	13000	U
88-75-5	2-Nitrophenol	13000	U
105-67-9	2,4-Dimethylphenol	13000	U
111-91-1	bis(2-Chloroethoxy)Methane	13000	U
120-83-2	2,4-Dichlorophenol	13000	U
120-82-1	1,2,4-Trichlorobenzene	13000	U
91-20-3	Naphthalene	13000	U
106-47-8	4-Chloroaniline	13000	U
87-68-3	Hexachlorobutadiene	13000	U
59-50-7	4-Chloro-3-Methylphenol	13000	U
91-57-6	2-Methylnaphthalene	13000	U
77-47-4	Hexachlorocyclopentadiene	13000	U
88-06-2	2,4,6-Trichlorophenol	13000	U
95-95-4	2,4,5-Trichlorophenol	31000	U
91-58-7	2-Chloronaphthalene	13000	U
88-74-4	2-Nitroaniline	31000	U
131-11-3	Dimethylphthalate	13000	U
208-96-8	Acenaphthylene	13000	U
606-20-2	2,6-Dinitrotoluene	13000	U
99-09-2	3-Nitroaniline	31000	U
83-32-9	Acenaphthene	13000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS19SRE

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184444R1

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184444D4S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 33.3

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	31000	U
100-02-7	4-Nitrophenol	31000	~~U~~ UJ
132-64-9	Dibenzofuran	13000	U
121-14-2	2,4-Dinitrotoluene	13000	U
84-66-2	Diethylphthalate	13000	U
7005-72-3	4-Chlorophenyl-phenylether	13000	U
86-73-7	Fluorene	13000	U
100-01-6	4-Nitroaniline	31000	U
534-52-1	4,6-Dinitro-2-methylphenol	31000	U
86-30-6	N-Nitrosodiphenylamine (1)	13000	U
101-55-3	4-Bromophenyl-phenylether	13000	U
118-74-1	Hexachlorobenzene	13000	U
87-86-5	Pentachlorophenol	31000	U
85-01-8	Phenanthrene	13000	U
120-12-7	Anthracene	13000	U
86-74-8	Carbazole	13000	U
84-74-2	Di-n-Butylphthalate	13000	U
206-44-0	Fluoranthene	13000	U
129-00-0	Pyrene	750	J
85-68-7	Butylbenzylphthalate	13000	U
91-94-1	3,3'-Dichlorobenzidine	13000	U
56-55-3	Benzo(a)Anthracene	13000	U
218-01-9	Chrysene	13000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	13000	U
117-84-0	Di-n-Octyl Phthalate	13000	U
205-99-2	Benzo(b)Fluoranthene	13000	U
207-08-9	Benzo(k)Fluoranthene	13000	U
50-32-8	Benzo(a)Pyrene	13000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	13000	U
53-70-3	Dibenz(a,h)Anthracene	13000	U
191-24-2	Benzo(g,h,i)Perylene	13000	U

(1) - Cannot be separated from Diphenylamine

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS19S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184444

Phase Weight: 30.0 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 5.0 Date Analyzed: 06/04/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	12000	~~X~~ D
11097-69-1	Aroclor-1254	7200 ~~5200~~	~~X~~ D
11096-82-5	Aroclor-1260	19000 ~~20000~~	~~X~~ D

JBB

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS19SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184444D1

Phase Weight: 30.0 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 50.0 Date Analyzed: 06/04/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	1800	U
11141-16-5	Aroclor-1232	1800	U
53469-21-9	Aroclor-1242	1800	U
12672-29-6	Aroclor-1248	12000	D
11097-69-1	Aroclor-1254	7200	D
11096-82-5	Aroclor-1260	19000	D

JSB

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS19S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184444

Level (low/med): LOW Date Received: 05/20/93

% Solids: 85.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7080			P
7440-36-0	Antimony	19.7		~~N*~~ J	P
7440-38-2	Arsenic	8.1		~~N*~~ J	F
7440-39-3	Barium	169			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	5.6			P
7440-70-2	Calcium	106000		~~*~~ J	P
7440-47-3	Chromium	29.4			P
7440-48-4	Cobalt	7.5	B		P
7440-50-8	Copper	1130		~~*~~ J	P
7439-89-6	Iron	38400		*	P
7439-92-1	Lead	690		~~*~~ J	P
7439-95-4	Magnesium	4280			P
7439-96-5	Manganese	550			P
7439-97-6	Mercury	0.82		N J	CV
7440-02-0	Nickel	46.8		~~N~~ J	P
7440-09-7	Potassium	981	B		P
7782-49-2	Selenium	0.25	U	~~WN~~ J	F
7440-22-4	Silver	0.86	U	~~N*~~ J	P
7440-23-5	Sodium	149	B		P
7440-28-0	Thallium	0.58	U	~~W~~ J	F
7440-62-2	Vanadium	25.1			P
7440-66-6	Zinc	931			P
	Cyanide	0.69	U		C

J6D

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS20S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184445

Sample wt/vol: 1.0 (g/mL) G   Lab File ID: H184445S

Level: (low/med) MED   Date Received: 05/20/93

% Moisture: 17 decanted: (Y/N) N   Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/16/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	12000	U
111-44-4	bis(2-Chloroethyl)Ether	12000	U
95-57-8	2-Chlorophenol	12000	U
541-73-1	1,3-Dichlorobenzene	12000	U
106-46-7	1,4-Dichlorobenzene	12000	U
95-50-1	1,2-Dichlorobenzene	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
106-44-5	4-Methylphenol	12000	U
621-64-7	N-Nitroso-Di-n-Propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)Methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
120-82-1	1,2,4-Trichlorobenzene	12000	U
91-20-3	Naphthalene	12000	U
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
59-50-7	4-Chloro-3-Methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	30000	U
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	30000	U
131-11-3	Dimethylphthalate	12000	U
208-96-8	Acenaphthylene	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
99-09-2	3-Nitroaniline	30000	U
83-32-9	Acenaphthene	12000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS20S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184445

Sample wt/vol: 1.0 (g/mL) G Lab File ID: H184445S

Level: (low/med) MED Date Received: 05/20/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/16/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	30000	U
100-02-7	4-Nitrophenol	30000	U
132-64-9	Dibenzofuran	12000	U
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
7005-72-3	4-Chlorophenyl-phenylether	12000	U
86-73-7	Fluorene	12000	U
100-01-6	4-Nitroaniline	30000	U
534-52-1	4,6-Dinitro-2-methylphenol	30000	U
86-30-6	N-Nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
87-86-5	Pentachlorophenol	30000	U
85-01-8	Phenanthrene	12000	U
120-12-7	Anthracene	12000	U
86-74-8	Carbazole	12000	U
84-74-2	Di-n-Butylphthalate	12000 ~~1600~~	~~BJ~~ U
206-44-0	Fluoranthene	12000	U
129-00-0	Pyrene	12000	U
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)Anthracene	12000	U
218-01-9	Chrysene	12000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	12000 ~~730~~	~~J~~ U
117-84-0	Di-n-Octyl Phthalate	12000	U
205-99-2	Benzo(b)Fluoranthene	12000	U
207-08-9	Benzo(k)Fluoranthene	12000	~~U~~ UJ
50-32-8	Benzo(a)Pyrene	12000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	12000	U
53-70-3	Dibenz(a,h)Anthracene	12000	U
191-24-2	Benzo(g,h,i)Perylene	12000	U

160

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS20S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184445

Sample wt/vol: 1.0 (g/mL) G Lab File ID: H184445S

Level: (low/med) MED Date Received: 05/20/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/16/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~3.98~~	~~14000~~	~~BJXNA~~	R
2. 143-07-7	DODECANOIC ACID	22.88	4700	JXN	
3.	UNKNOWN ALIPHATIC	24.87	5300	JX	
4.	UNKNOWN ALIPHATIC	26.88	3500	JX	
5.	UNKNOWN	27.32	2700	JX	
6.	UNKNOWN	27.38	2500	JX	
7.	UNKNOWN	28.40	3900	JX	
8.	UNKNOWN ALIPHATIC	28.52	4200	JX	BB
9.	UNKNOWN	28.73	3500	JX	
10.	UNKNOWN	28.93	3700	JX	
11.	UNKNOWN	29.00	4100	JX	
12.	UNKNOWN	29.28	4600	JX	
13.	UNKNOWN	29.50	3000	JX	
14.	UNKNOWN	29.78	2900	JX	
15.	UNKNOWN	29.97	3300	JX	
16.	UNKNOWN	30.55	2500	JX	
17.	UNKNOWN	31.27	3400	JX	
18.	UNKNOWN ALIPHATIC	31.95	3000	JX	
19.	UNKNOWN	35.72	3900	JX	
20. 123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~45.73~~	~~52000~~	~~BJXN~~	R

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS20S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184445

Phase Weight: 30.1 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 10.0 Date Analyzed: 06/04/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	1000	NJ
11096-82-5	Aroclor-1260	4100	

JBG

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS20S

Lab Name: AQUATEC ________________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184445____

Level (low/med): LOW__ Date Received: 05/20/93

% Solids: _82.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300			P
7440-36-0	Antimony	13.5		~~N*~~ J	P
7440-38-2	Arsenic	8.2		~~N*~~ J	F
7440-39-3	Barium	358			P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	20.0			P
7440-70-2	Calcium	3170		~~*~~ J	P
7440-47-3	Chromium	43.0			P
7440-48-4	Cobalt	11.2			P
7440-50-8	Copper	650		~~*~~ J	P
7439-89-6	Iron	35800		~~*~~ J	P
7439-92-1	Lead	2230		~~*~~ J	P
7439-95-4	Magnesium	3430			P
7439-96-5	Manganese	523			P
7439-97-6	Mercury	0.08		~~N~~ J	CV
7440-02-0	Nickel	36.9		~~N*~~ J	P
7440-09-7	Potassium	982			P
7782-49-2	Selenium	0.23	U	~~WN~~ J	F
7440-22-4	Silver	0.76	U	~~N*~~ J	P
7440-23-5	Sodium	91.0	U		P
7440-28-0	Thallium	0.53	U	J	F
7440-62-2	Vanadium	23.0			P
7440-66-6	Zinc	2160			P
	Cyanide	0.73	U		C

JBS

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS21S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184446

Sample wt/vol: 1.0 (g/mL) G   Lab File ID: A184446S

Level: (low/med) MED   Date Received: 05/20/93

% Moisture: 30   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	29000	U
111-44-4	bis(2-Chloroethyl)Ether	29000	U
95-57-8	2-Chlorophenol	29000	U
541-73-1	1,3-Dichlorobenzene	29000	U
106-46-7	1,4-Dichlorobenzene	29000	U
95-50-1	1,2-Dichlorobenzene	29000	U
95-48-7	2-Methylphenol	29000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	29000	U
106-44-5	4-Methylphenol	29000	U
621-64-7	N-Nitroso-Di-n-Propylamine	29000	U
67-72-1	Hexachloroethane	29000	U
98-95-3	Nitrobenzene	29000	U
78-59-1	Isophorone	29000	U
88-75-5	2-Nitrophenol	29000	U
105-67-9	2,4-Dimethylphenol	29000	U
111-91-1	bis(2-Chloroethoxy)Methane	29000	U
120-83-2	2,4-Dichlorophenol	29000	U
120-82-1	1,2,4-Trichlorobenzene	29000	U
91-20-3	Naphthalene	29000	U
106-47-8	4-Chloroaniline	29000	U
87-68-3	Hexachlorobutadiene	29000	U
59-50-7	4-Chloro-3-Methylphenol	29000	U
91-57-6	2-Methylnaphthalene	29000	U
77-47-4	Hexachlorocyclopentadiene	29000	U
88-06-2	2,4,6-Trichlorophenol	29000	U
95-95-4	2,4,5-Trichlorophenol	71000	U
91-58-7	2-Chloronaphthalene	29000	U
88-74-4	2-Nitroaniline	71000	U
131-11-3	Dimethylphthalate	29000	U
208-96-8	Acenaphthylene	29000	U
606-20-2	2,6-Dinitrotoluene	29000	U
99-09-2	3-Nitroaniline	71000	U
83-32-9	Acenaphthene	29000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS21S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184446

Sample wt/vol: 1.0 (g/mL) G   Lab File ID: A184446S

Level: (low/med) MED   Date Received: 05/20/93

% Moisture: 30   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	71000	U
100-02-7	4-Nitrophenol	71000	U
132-64-9	Dibenzofuran	29000	U
121-14-2	2,4-Dinitrotoluene	29000	U
84-66-2	Diethylphthalate	29000	U
7005-72-3	4-Chlorophenyl-phenylether	29000	U
86-73-7	Fluorene	29000	U
100-01-6	4-Nitroaniline	71000	U
534-52-1	4,6-Dinitro-2-methylphenol	71000	U
86-30-6	N-Nitrosodiphenylamine (1)	29000	U
101-55-3	4-Bromophenyl-phenylether	29000	U
118-74-1	Hexachlorobenzene	29000	U
87-86-5	Pentachlorophenol	71000	U
85-01-8	Phenanthrene	29000	U
120-12-7	Anthracene	29000	U
86-74-8	Carbazole	29000	U
84-74-2	Di-n-Butylphthalate	29000	U
206-44-0	Fluoranthene	29000	U
129-00-0	Pyrene	29000	U
85-68-7	Butylbenzylphthalate	29000	U
91-94-1	3,3'-Dichlorobenzidine	29000	U
56-55-3	Benzo(a)Anthracene	29000	U
218-01-9	Chrysene	29000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	29000	U
117-84-0	Di-n-Octyl Phthalate	29000	U
205-99-2	Benzo(b)Fluoranthene	29000	U
207-08-9	Benzo(k)Fluoranthene	29000	U
50-32-8	Benzo(a)Pyrene	29000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	29000	U
53-70-3	Dibenz(a,h)Anthracene	29000	U
191-24-2	Benzo(g,h,i)Perylene	29000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS21S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184446

Sample wt/vol: 1.0 (g/mL) G   Lab File ID: A184446S

Level: (low/med) MED   Date Received: 05/20/93

% Moisture: 30   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 6.4

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.22~~	~~7100~~	~~BJXNA~~	R
2.	UNKNOWN SESQUITERPENE	24.65	32000	JX	
3.	UNKNOWN SESQUITERPENE	26.12	22000	JX	
4.	UNKNOWN SESQUITERPENE	26.52	25000	JX	
5.	UNKNOWN POLYCYCLIC HYDROCARB	29.65	20000	JX	
6.	UNKNOWN	30.52	29000	JX	
7.	UNKNOWN	30.78	44000	JX	
8.	UNKNOWN	30.98	33000	JX	
9.	UNKNOWN	31.63	17000	JX	
10.	UNKNOWN	31.75	30000	JX	
11.	UNKNOWN	31.90	22000	JX	
12.	UNKNOWN	31.95	23000	JX	
13.	UNKNOWN	32.07	72000	JX	
14.	UNKNOWN	32.53	32000	JX	
15.	UNKNOWN	32.65	17000	JX	
16.	UNKNOWN	32.77	33000	JX	
17.	UNKNOWN	32.85	31000	JX	
18.	UNKNOWN ALIPHATIC	33.03	22000	JX	
19.	UNKNOWN	36.48	18000	JX	
20.	UNKNOWN	38.03	17000	JX	
21.	UNKNOWN	38.83	16000	JX	

pf

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS21S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184446

Phase Weight: 30.1 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 5.0 Date Analyzed: 06/09/93

% Solids: 70 Sulfur Clean-up: N (Y/N)

pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	220	U
11104-28-2	------Aroclor-1221	220	U
11141-16-5	------Aroclor-1232	220	U
53469-21-9	------Aroclor-1242	220	U
12672-29-6	------Aroclor-1248	220	U
11097-69-1	------Aroclor-1254	3100	
11096-82-5	------Aroclor-1260	18000 ~~19000~~	~~X~~

GP 11/14

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS21SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184446D1

Phase Weight: 30.1 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 50.0 Date Analyzed: 06/09/93

% Solids: 70 Sulfur Clean-up: N (Y/N)

pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	2200	U
11104-28-2	Aroclor-1221	2200	U
11141-16-5	Aroclor-1232	2200	U
53469-21-9	Aroclor-1242	2200	U
12672-29-6	Aroclor-1248	2200	U
11097-69-1	Aroclor-1254	4100	D
11096-82-5	Aroclor-1260	28000	D

DB 11/10/93

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS21S

Name: AQUATEC______ Contract: 93208____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36859_

Matrix (soil/water): SOIL_ Lab Sample ID: 184446____

Level (low/med): LOW__ Date Received: 05/20/93

% Solids: _70.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14600			P
7440-36-0	Antimony	7.2	U	N	P
7440-38-2	Arsenic	32.3		SN*	F
7440-39-3	Barium	870			P
7440-41-7	Beryllium	0.69	B		P
7440-43-9	Cadmium	68.8			P
7440-70-2	Calcium	4420			P
7440-47-3	Chromium	56.4		N*	P
7440-48-4	Cobalt	9.8	B		P
7440-50-8	Copper	737		*	P
7439-89-6	Iron	64600		*	P
7439-92-1	Lead	4480		*	P
7439-95-4	Magnesium	3830			P
7439-96-5	Manganese	317		N*	P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	54.6			P
7440-09-7	Potassium	1450			P
7782-49-2	Selenium	0.27	U	WN	F
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	136	U		P
7440-28-0	Thallium	0.61	U	W	F
7440-62-2	Vanadium	31.7			P
7440-66-6	Zinc	2940			P
	Cyanide	1.3			C

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS22S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184448

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A184448S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS22S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184448

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A184448S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	44	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	110	BJ
206-44-0	Fluoranthene	60	J
129-00-0	Pyrene	79	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS22S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184448

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A184448S

Level: (low/med) LOW Date Received: 05/20/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.72~~	~~2600~~	~~BJXNA~~ R
2.	UNKNOWN ALIPHATIC	27.97	310	JX
3.	UNKNOWN	28.12	160	JX
4. 638-67-5	TRICOSANE	36.00	180	JXN
5.	UNKNOWN ESTER	37.03	180	JX
6. 629-99-2	PENTACOSANE	38.22	180	JXN
7. 661-19-8	1-DOCOSANOL	38.28	190	JXN
8. 593-49-7	HEPTACOSANE	40.28	290	JXN
9. 506-51-4	1-TETRACOSANOL	40.40	230	JXN
10.	UNKNOWN	41.75	780	JXZ
11. 630-03-5	NONACOSANE	42.22	2600	JXN
12.	UNKNOWN ALIPHATIC ALDEHYDE	42.37	580	JXZ
13.	UNKNOWN ALIPHATIC	43.17	280	JX
14.	UNKNOWN ALIPHATIC	43.75	360	JX
15.	UNKNOWN C31-ALKANE	44.25	2500	JX
16.	UNKNOWN ALIPHATIC	44.48	380	JX
17.	UNKNOWN ALIPHATIC ALDEHYDE	46.33	290	JX
18.	UNKNOWN C33-ALKANE	46.93	570	JX
19.	UNKNOWN POLYTERPENE DERIVATI	49.27	600	JX
20.	UNKNOWN	49.68	200	JX
21. 1058-61-3	STIGMAST-4-EN-3-ONE	52.20	480	JNX

MP

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS22S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184448

Phase Weight: 30.0 (g) Date Received: 05/20/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 1.0 Date Analyzed: 06/09/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	37	U
11104-28-2	------Aroclor-1221	37	U
11141-16-5	------Aroclor-1232	37	U
53469-21-9	------Aroclor-1242	37	U
12672-29-6	------Aroclor-1248	37	U
11097-69-1	------Aroclor-1254	110	
11096-82-5	------Aroclor-1260	370	

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS22S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix (soil/water): SOIL Lab Sample ID: 184448

Level (low/med): LOW Date Received: 05/20/93

% Solids: 82.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	4.8	U	N J	P
7440-38-2	Arsenic	10.3		N* J	F
7440-39-3	Barium	102			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	3.5			P
7440-70-2	Calcium	38000			P
7440-47-3	Chromium	15.3		N* J	P
7440-48-4	Cobalt	8.7	B		P
7440-50-8	Copper	79.4		* J	P
7439-89-6	Iron	26200		*	P
7439-92-1	Lead	174		* J	P
7439-95-4	Magnesium	3220			P
7439-96-5	Manganese	502		N* J	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	26.6			P
7440-09-7	Potassium	1330			P
7782-49-2	Selenium	0.30	B	WN J	F
7440-22-4	Silver	0.76	U	N J	P
7440-23-5	Sodium	90.5	U		P
7440-28-0	Thallium	0.61	U		F
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	260			P
	Cyanide	0.73	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184539

Sample wt/vol: 30.2 (g/mL) G Lab File ID: A184539I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184539

Sample wt/vol: 30.2 (g/mL) G Lab File ID: A184539I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	170	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	92	J
218-01-9	Chrysene	100	J
117-81-7	bis(2-Ethylhexyl)Phthalate	130	BJ
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	120	J
207-08-9	Benzo(k)Fluoranthene	57	J
50-32-8	Benzo(a)Pyrene	72	J
193-39-5	Indeno(1,2,3-cd)Pyrene	81	J
53-70-3	Dibenz(a,h)Anthracene	42	J
191-24-2	Benzo(g,h,i)Perylene	64	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS23S

Lab Name: AQUATEC INC   Contract: 93208

Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184539

Sample wt/vol: 30.2 (g/mL) G   Lab File ID: A184539I2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 19   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.6

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.10~~	~~6900~~	~~BJXNA~~ R
2.	UNKNOWN TETRACHLOROBIPHENYL	31.82	3100	JX
3.	UNKNOWN TETRACHLOROBIPHENYL	32.42	1300	JX
.	UNKNOWN TETRACHLOROBIPHENYL	33.48	1300	JX
5.	UNKNOWN PENTACHLOROBIPHENYL	33.62	3500	JX
6.	UNKNOWN PENTACHLOROBIPHENYL	34.20	6600	JX
7.	UNKNOWN PENTACHLOROBIPHENYL	34.33	2100	JX
8.	UNKNOWN PENTACHLOROBIPHENYL	34.80	1400	JX
9.	UNKNOWN PENTACHLOROBIPHENYL	34.93	3200	JXZ
10.	UNKNOWN PENTACHLOROBIPHENYL	35.20	6600	JX
11.	UNKNOWN HEXACHLOROBIPHENYL	35.80	3800	JX
12.	UNKNOWN PENTACHLOROBIPHENYL	35.87	4600	JX
13.	UNKNOWN HEXACHLOROBIPHENYL	36.40	2900	JX
14.	UNKNOWN HEXACHLOROBIPHENYL	36.55	2000	JX
15.	UNKNOWN PENTACHLOROBIPHENYL	36.58	2300	JX
16.	UNKNOWN HEXACHLOROBIPHENYL	37.15	4800	JX
17.	UNKNOWN HEXACHLOROBIPHENYL	37.88	1100	JX
18.	UNKNOWN HEXACHLOROBIPHENYL	38.82	850	JX
19. 630-03-5	NONACOSANE	41.82	1700	JXN
20.	UNKNOWN C31-ALKANE	43.75	1900	JX
21. 1058-61-3	STIGMAST-4-EN-3-ONE	51.07	960	JXN

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184539

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 10.0 Date Analyzed: 06/10/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	46000 ~~53000~~	~~X~~
11096-82-5	Aroclor-1260	6100	

BB
11/14/93

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184539D1

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 100.0 Date Analyzed: 06/10/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	3700	U
11104-28-2	Aroclor-1221	3700	U
11141-16-5	Aroclor-1232	3700	U
53469-21-9	Aroclor-1242	3700	U
12672-29-6	Aroclor-1248	3700	U
11097-69-1	Aroclor-1254	46000	D
11096-82-5	Aroclor-1260	6200	D

BB
11/14/93

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS23S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix (soil/water): SOIL Lab Sample ID: 184539

Level (low/med): LOW Date Received: 05/21/93

% Solids: 80.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13700			P
7440-36-0	Antimony	5.2	U	N J	P
7440-38-2	Arsenic	7.4		SN* J	F
7440-39-3	Barium	91.8			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	2.3			P
7440-70-2	Calcium	9780			P
7440-47-3	Chromium	21.9		N* J	P
7440-48-4	Cobalt	10.6			P
7440-50-8	Copper	120		* J	P
7439-89-6	Iron	30200		*	P
7439-92-1	Lead	92.6			F
7439-95-4	Magnesium	4120			P
7439-96-5	Manganese	519		N* J	P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	31.5			P
7440-09-7	Potassium	1340			P
7782-49-2	Selenium	0.31	U	WN J	F
7440-22-4	Silver	0.81	U	N J	P
7440-23-5	Sodium	96.9	U		P
7440-28-0	Thallium	0.72	U		F
7440-62-2	Vanadium	26.4			P
7440-66-6	Zinc	294			P
	Cyanide	0.63	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184540

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: A184540DI2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	760	U
111-44-4	bis(2-Chloroethyl)Ether	760	U
95-57-8	2-Chlorophenol	760	U
541-73-1	1,3-Dichlorobenzene	760	U
106-46-7	1,4-Dichlorobenzene	760	U
95-50-1	1,2-Dichlorobenzene	760	U
95-48-7	2-Methylphenol	760	U
108-60-1	2,2'-oxybis(1-Chloropropane)	760	U
106-44-5	4-Methylphenol	760	U
621-64-7	N-Nitroso-Di-n-Propylamine	760	U
67-72-1	Hexachloroethane	760	U
98-95-3	Nitrobenzene	760	U
78-59-1	Isophorone	760	U
88-75-5	2-Nitrophenol	760	U
105-67-9	2,4-Dimethylphenol	760	U
111-91-1	bis(2-Chloroethoxy)Methane	760	U
120-83-2	2,4-Dichlorophenol	760	U
120-82-1	1,2,4-Trichlorobenzene	57	J
91-20-3	Naphthalene	43	J
106-47-8	4-Chloroaniline	760	U
87-68-3	Hexachlorobutadiene	760	U
59-50-7	4-Chloro-3-Methylphenol	760	U
91-57-6	2-Methylnaphthalene	760	U
77-47-4	Hexachlorocyclopentadiene	760	U
88-06-2	2,4,6-Trichlorophenol	760	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	760	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	760	U
208-96-8	Acenaphthylene	760	U
606-20-2	2,6-Dinitrotoluene	760	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	760	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24S

Lab Name: AQUATEC INC   Contract: 93208

Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184540

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: A184540DI2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	760	U
121-14-2	2,4-Dinitrotoluene	760	U
84-66-2	Diethylphthalate	760	U
7005-72-3	4-Chlorophenyl-phenylether	760	U
86-73-7	Fluorene	760	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	760	U
101-55-3	4-Bromophenyl-phenylether	760	U
118-74-1	Hexachlorobenzene	760	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	760	U
86-74-8	Carbazole	760	U
84-74-2	Di-n-Butylphthalate	760	U
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	760	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)Anthracene	190	J
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)Phthalate	490	BJ
117-84-0	Di-n-Octyl Phthalate	760	U
205-99-2	Benzo(b)Fluoranthene	360	J
207-08-9	Benzo(k)Fluoranthene	160	J
50-32-8	Benzo(a)Pyrene	170	J
193-39-5	Indeno(1,2,3-cd)Pyrene	200	J
53-70-3	Dibenz(a,h)Anthracene	130	J
191-24-2	Benzo(g,h,i)Perylene	180	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS24S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184540

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: A184540DI2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y   pH: 8.1

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
~~1.~~	~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~6.92~~	~~6600~~	~~BJXNA~~	R
2.	91-64-5	2H-1-BENZOPYRAN-2-ONE	23.92	1500	JXN	
3.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	29.28	710	JXN	
4.		UNKNOWN	30.57	790	JX	
5.		UNKNOWN	31.65	2200	JX	
6.		UNKNOWN TETRACHLOROBIPHENYL	32.42	750	JX	
7.		UNKNOWN	33.15	770	JX	
8.		UNKNOWN PENTACHLOROBIPHENYL	33.60	880	JX	
9.		UNKNOWN PENTACHLOROBIPHENYL	34.17	950	JX	
10.		UNKNOWN PENTACHLOROBIPHENYL	35.18	760	JX	
11.		UNKNOWN CHOLESTANE DERIVATIV	35.50	780	JX	
12.		UNKNOWN HEXACHLOROBIPHENYL	35.78	1400	JX	
13.		UNKNOWN HEXACHLOROBIPHENYL	36.38	1500	JX	
14.		UNKNOWN HEXACHLOROBIPHENYL	37.13	1700	JX	
15.	629-99-2	PENTACOSANE	37.82	710	JXN	
16.		UNKNOWN HEXACHLOROBIPHENYL	38.80	1200	JX	
17.	593-49-7	HEPTACOSANE	39.87	1100	JXN	
18.		UNKNOWN	40.23	740	JX	
19.	630-02-4	OCTACOSANE	40.85	740	JXN	
20.	630-03-5	NONACOSANE	41.78	2200	JXN	
21.		UNKNOWN C31-ALKANE	43.72	1200	JX	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184540

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 5.0 Date Analyzed: 06/10/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	14000 ~~10000~~	~~X~~
11097-69-1	Aroclor-1254	12000 ~~9000~~	~~X~~
11096-82-5	Aroclor-1260	9400 ~~7600~~	~~X~~

11/14/93
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FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184540D1

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 50.0 Date Analyzed: 06/10/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	1800	U
11141-16-5	Aroclor-1232	1800	U
53469-21-9	Aroclor-1242	1800	U
12672-29-6	Aroclor-1248	14000	D
11097-69-1	Aroclor-1254	12000	D
11096-82-5	Aroclor-1260	9400	D

11/14/93
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FORM I HCA

Rev. 9/88

001361

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS24S

b Name: AQUATEC_______________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36859_

Matrix (soil/water): SOIL_ Lab Sample ID: 184540____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _86.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10000			P
7440-36-0	Antimony	6.3	B	N J	P
7440-38-2	Arsenic	8.7		N* J	F
7440-39-3	Barium	210			P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	7.0			P
7440-70-2	Calcium	78000			P
7440-47-3	Chromium	61.4		N* J	P
7440-48-4	Cobalt	9.2			P
7440-50-8	Copper	1500		* J	P
7439-89-6	Iron	33900		*	P
7439-92-1	Lead	1360		* J	P
7439-95-4	Magnesium	3650			P
7439-96-5	Manganese	678		N* J	P
7439-97-6	Mercury	0.78			CV
7440-02-0	Nickel	36.6			P
7440-09-7	Potassium	947			P
7782-49-2	Selenium	0.26	B	WN J	F
7440-22-4	Silver	0.65	B	N J	P
7440-23-5	Sodium	99.2	B		P
7440-28-0	Thallium	0.55	U		F
7440-62-2	Vanadium	31.0			P
7440-66-6	Zinc	1680			P
	Cyanide	0.58	U		C

Color Before: BROWN___ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184541

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184541I2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 19 decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184541

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184541I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	47	J
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	70	J
129-00-0	Pyrene	72	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)Phthalate	410	U
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	410	U
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	140	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184541

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184541I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.13~~	~~4300~~	~~BJXNA~~ R
2.	UNKNOWN	27.50	230	JX
3.	UNKNOWN	27.73	680	JX
.	UNKNOWN ALIPHATIC	35.60	210	JX
.	UNKNOWN HEXACHLOROBIPHENYL	35.78	220	JX
6.	UNKNOWN HEXACHLOROBIPHENYL	36.38	260	JX
7.	UNKNOWN POLYCHLOROBIPHENYLS	37.13	260	JX
8.	UNKNOWN HEPTACHLOROBIPHENYL	38.80	250	JX
9. 593-49-7	HEPTACOSANE	39.88	300	JXN
10. 2442-49-1	TETRACOSANOIC ACID, METHYL E	40.25	250	JXN
11. 630-02-4	OCTACOSANE	40.87	270	JXN
12.	UNKNOWN ALKANAL	41.33	430	JXZ
13. 630-03-5	NONACOSANE	41.82	3800	JXN
14.	UNKNOWN ALIPHATIC ALCOHOL	41.97	410	JX
15.	UNKNOWN C31-ALKANE	43.75	1900	JX
16.	UNKNOWN ALIPHATIC ALCOHOL	43.95	920	JX
17.	UNKNOWN ALKANAL	45.67	460	JX
18.	UNKNOWN C33-ALKANE	46.23	510	JX
19.	UNKNOWN SITOSTEROL	48.33	440	JX
20. 1058-61-3	STIGMAST-4-EN-3-ONE	51.05	660	JXN
21.	UNKNOWN	52.00	200	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25SD

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184542

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184542I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25SD

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184542

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184542I2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 19   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	51	J
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-Butylphthalate	40	BJ
206-44-0	Fluoranthene	79	J
129-00-0	Pyrene	90	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)Phthalate	410	U
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	410	U
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25SD

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184542

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184542I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.15~~	~~4700~~	~~BJXNA~~ R
2.	UNKNOWN	27.73	450	JX
3.	UNKNOWN HEXACHLOROBIPHENYL	35.78	230	JX
4.	UNKNOWN HEXACHLOROBIPHENYL	36.37	250	JX
5.	UNKNOWN	36.63	230	JX
6.	UNKNOWN HEXACHLOROBIPHENYL	37.12	250	JX
7.	UNKNOWN HEPTACHLOROBIPHENYL	38.80	260	JX
8. 593-49-7	HEPTACOSANE	39.87	290	JXNZ
9. 630-02-4	OCTACOSANE	40.85	270	JXNZ
10.	UNKNOWN ALKANAL	41.33	540	JXZ
11. 630-03-5	NONACOSANE	41.80	4600	JXNZ
12.	UNKNOWN ALIPHATIC ALCOHOL	41.95	470	JX
13. 638-68-6	TRIACONTANE	42.72	260	JXN
14.	UNKNOWN	43.27	270	JX
15.	UNKNOWN C31-ALKANE	43.73	2400	JX
16.	UNKNOWN ALIPHATIC ALCOHOL	43.93	900	JXZ
17.	UNKNOWN ALKANAL	45.65	480	JX
18.	UNKNOWN C33-ALKANE	46.23	560	JX
19.	UNKNOWN SITOSTEROL	48.33	470	JX
20.	UNKNOWN	48.72	280	JX
21. 1058-61-3	STIGMAST-4-EN-3-ONE	51.05	630	JXN

PF

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil

Lab Sample ID: 184541

Phase Weight: 30.0 (g)

Date Received: 05/21/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/25/93

Dilution Factor: 5.0

Date Analyzed: 06/10/93

% Solids: 81

Sulfur Clean-up: N (Y/N)

pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	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	190	U
11096-82-5	Aroclor-1260	1400	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25SD

Lab Name: Aquatec, Inc.   Contract: 93208

Lab Code: AQUAI   Case No. 93208   SAS No. ____   SDG No. 36859

Phase Type: Soil   Lab Sample ID: 184542

Phase Weight: 30.0 (g)   Date Received: 05/21/93

Injection Volume: 1.0 (uL)   Date Extracted: 05/25/93

Dilution Factor: 5.0   Date Analyzed: 06/10/93

% Solids: 81   Sulfur Clean-up: N (Y/N)

pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	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	190	U
11096-82-5	Aroclor-1260	1500	

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS25S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix (soil/water): SOIL Lab Sample ID: 184541

Level (low/med): LOW Date Received: 05/21/93

% Solids: 80.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13900			P
7440-36-0	Antimony	4.3	U	N J	P
7440-38-2	Arsenic	8.7		N* J	F
7440-39-3	Barium	105			P
7440-41-7	Beryllium	0.69	B		P
7440-43-9	Cadmium	0.32	U		P
7440-70-2	Calcium	14700			P
7440-47-3	Chromium	18.3		N* J	P
7440-48-4	Cobalt	9.8			P
7440-50-8	Copper	44.7		* J	P
7439-89-6	Iron	24600		*	P
7439-92-1	Lead	172		* J	P
7439-95-4	Magnesium	3890			P
7439-96-5	Manganese	618		N* J	P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	26.2			P
7440-09-7	Potassium	1940			P
7782-49-2	Selenium	0.31	B	WN J	F
7440-22-4	Silver	0.68	U	N J	P
7440-23-5	Sodium	81.1	U		P
7440-28-0	Thallium	0.63	U		F
7440-62-2	Vanadium	28.4			P
7440-66-6	Zinc	144			P
	Cyanide	0.56	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS25SD

Lab Name: AQUATEC______________ Contract: 93208____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36859_

Matrix (soil/water): SOIL_ Lab Sample ID: 184542____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _81.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000			P
7440-36-0	Antimony	4.1	U	N J	P
7440-38-2	Arsenic	8.4		N* J	F
7440-39-3	Barium	104			P
7440-41-7	Beryllium	0.68	B		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	11500			P
7440-47-3	Chromium	17.5		N* J	P
7440-48-4	Cobalt	10.1			P
7440-50-8	Copper	47.2		* J	P
7439-89-6	Iron	24800		*	P
7439-92-1	Lead	172		* J	P
7439-95-4	Magnesium	3670			P
7439-96-5	Manganese	643		N* J	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	26.6			P
7440-09-7	Potassium	1620			P
7782-49-2	Selenium	0.26	B	WN J	F
7440-22-4	Silver	0.65	U	N J	P
7440-23-5	Sodium	77.7	U		P
7440-28-0	Thallium	0.46	U		F
7440-62-2	Vanadium	26.2			P
7440-66-6	Zinc	143			P
	Cyanide	0.55	U		C

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
STICKS_WERE_PRESENT.

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184543

Sample wt/vol: 30.4 (g/mL) G Lab File ID: A184543I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	20	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184543

Sample wt/vol: 30.4 (g/mL) G   Lab File ID: A184543I2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 17 decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	110	BJ
206-44-0	Fluoranthene	210	J
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	100	J
218-01-9	Chrysene	75	J
117-81-7	bis(2-Ethylhexyl)Phthalate	77	BJ
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	110	J
207-08-9	Benzo(k)Fluoranthene	71	J
50-32-8	Benzo(a)Pyrene	58	J
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184543

Sample wt/vol: 30.4 (g/mL) G   Lab File ID: A184543I2S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 17 decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.0

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.13~~	~~4200~~	~~BJXNA~~	R
2.	UNKNOWN ALIPHATIC	27.63	270	JX	
3.	UNKNOWN	27.63	300	JX	
4.	UNKNOWN	30.58	320	JX	
5.	UNKNOWN	31.67	690	JX	
6.	UNKNOWN	31.93	150	JX	
7.	UNKNOWN	32.12	170	JX	
8. 630-03-5	NONACOSANE	41.83	1700	JXN	
9.	UNKNOWN C31-ALKANE	43.77	3200	JX	
10.	UNKNOWN	44.90	380	JX	
11.	UNKNOWN C33-ALKANE	46.25	1100	JX	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184543

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 5.0 Date Analyzed: 06/10/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	180	U
11097-69-1	Aroclor-1254	390	
11096-82-5	Aroclor-1260	950	

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS26S

Name: AQUATEC______ Contract: 93208____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36859_

Matrix (soil/water): SOIL_ Lab Sample ID: 184543____

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _83.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14600			P
7440-36-0	Antimony	8.4		N J	P
7440-38-2	Arsenic	10.7		N* J	F
7440-39-3	Barium	218			P
7440-41-7	Beryllium	0.71			P
7440-43-9	Cadmium	10.4			P
7440-70-2	Calcium	3900			P
7440-47-3	Chromium	40.3		N* J	P
7440-48-4	Cobalt	13.0			P
7440-50-8	Copper	231		* J	P
7439-89-6	Iron	41800		*	P
7439-92-1	Lead	633		* J	P
7439-95-4	Magnesium	4010			P
7439-96-5	Manganese	806		N* J	P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	48.9			P
7440-09-7	Potassium	1050			P
7782-49-2	Selenium	0.26	B	WN J	F
7440-22-4	Silver	0.60	U	N J	P
7440-23-5	Sodium	71.6	U		P
7440-28-0	Thallium	0.60	U		F
7440-62-2	Vanadium	27.8			P
7440-66-6	Zinc	1680			P
	Cyanide	0.62	U		C

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27S

L-- Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184544

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184544I3S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184544

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184544I3S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	96	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	150	J
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	49	J
218-01-9	Chrysene	70	J
117-81-7	bis(2-Ethylhexyl)Phthalate	84	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	58	J
207-08-9	Benzo(k)Fluoranthene	61	J
50-32-8	Benzo(a)Pyrene	45	J
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184544

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184544I3S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 21 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
~~1.~~	~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.32~~	~~5300~~	~~BJXNA~~	R
2.	629-78-7	HEPTADECANE	25.77	400	JXN	
3.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.85	640	JXN	
.	638-36-8	HEXADECANE, 2,6,10,14-TETRAM	27.37	530	JXN	
5.	57-10-3	HEXADECANOIC ACID	29.50	360	JXN	
6.	78-42-2	PHOSPHORIC ACID, TRI(2-ETHYL	35.60	410	JXN	
7.	593-49-7	HEPTACOSANE	37.87	490	JXN	
8.	630-02-4	OCTACOSANE	38.83	350	JXN	
9.		UNKNOWN ALKANAL	39.25	1100	JXZ	
10.	630-03-5	NONACOSANE	39.78	4500	JXN	
11.		UNKNOWN ALKENE	39.88	750	JX	
12.	638-68-6	TRIACONTANE	40.68	480	JXN	
13.		UNKNOWN ALKANAL	41.10	570	JX	
14.		UNKNOWN C31-ALKANE	41.57	7500	JX	
15.	544-85-4	DOTRIACONTANE	42.42	450	JXN	
16.		UNKNOWN ALKANAL	42.87	620	JX	
17.		UNKNOWN C33-ALKANE	43.33	3500	JX	
18.		UNKNOWN SITOSTEROL	44.23	960	JX	
19.		UNKNOWN POLYTERPENE DERIVATI	45.00	430	JX	
20.	1058-61-3	STIGMAST-4-EN-3-ONE	45.88	690	JXN	
~~21.~~	~~123-28-4~~	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.35~~	~~380~~	~~BJXN~~	R

PP

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184544

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 84 Sulfur Clean-up: N (Y/N)

pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	36	U
11104-28-2	------Aroclor-1221	36	U
11141-16-5	------Aroclor-1232	36	U
53469-21-9	------Aroclor-1242	36	U
12672-29-6	------Aroclor-1248	55	
11097-69-1	------Aroclor-1254	170	
11096-82-5	------Aroclor-1260	110	

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS27S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix (soil/water): SOIL Lab Sample ID: 184544

Level (low/med): LOW Date Received: 05/21/93

% 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	13400			P
7440-36-0	Antimony	3.4	U	N J	P
7440-38-2	Arsenic	9.1		N* J	F
7440-39-3	Barium	132			P
7440-41-7	Beryllium	0.65			P
7440-43-9	Cadmium	1.2			P
7440-70-2	Calcium	4010			P
7440-47-3	Chromium	28.1		N* J	P
7440-48-4	Cobalt	12.2			P
7440-50-8	Copper	86.4		* J	P
7439-89-6	Iron	42700		*	P
7439-92-1	Lead	194		* J	P
7439-95-4	Magnesium	3960			P
7439-96-5	Manganese	603		N* J	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	31.0			P
7440-09-7	Potassium	1160			P
7782-49-2	Selenium	0.28	B	WN J	F
7440-22-4	Silver	0.54	U	N J	P
7440-23-5	Sodium	64.6	U		P
7440-28-0	Thallium	0.49	U		F
7440-62-2	Vanadium	25.7			P
7440-66-6	Zinc	179			P
	Cyanide	0.60	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
STICKS_AND_LEAVES_WERE_PRESENT.

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184545

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B184545DS

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 6.7

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2500	U
111-44-4	bis(2-Chloroethyl)Ether	2500	U
95-57-8	2-Chlorophenol	2500	U
541-73-1	1,3-Dichlorobenzene	2500	U
106-46-7	1,4-Dichlorobenzene	2500	U
95-50-1	1,2-Dichlorobenzene	2500	U
95-48-7	2-Methylphenol	2500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2500	U
106-44-5	4-Methylphenol	2500	U
621-64-7	N-Nitroso-Di-n-Propylamine	2500	U
67-72-1	Hexachloroethane	2500	U
98-95-3	Nitrobenzene	2500	U
78-59-1	Isophorone	2500	U
88-75-5	2-Nitrophenol	2500	U
105-67-9	2,4-Dimethylphenol	2500	U
111-91-1	bis(2-Chloroethoxy)Methane	2500	U
120-83-2	2,4-Dichlorophenol	2500	U
120-82-1	1,2,4-Trichlorobenzene	2500	U
91-20-3	Naphthalene	2500	U
106-47-8	4-Chloroaniline	2500	U
87-68-3	Hexachlorobutadiene	2500	U
59-50-7	4-Chloro-3-Methylphenol	2500	U
91-57-6	2-Methylnaphthalene	2500	U
77-47-4	Hexachlorocyclopentadiene	2500	U
88-06-2	2,4,6-Trichlorophenol	2500	U
95-95-4	2,4,5-Trichlorophenol	6000	U
91-58-7	2-Chloronaphthalene	2500	U
88-74-4	2-Nitroaniline	6000	U
131-11-3	Dimethylphthalate	2500	U
208-96-8	Acenaphthylene	2500	U
606-20-2	2,6-Dinitrotoluene	2500	U
99-09-2	3-Nitroaniline	6000	U
83-32-9	Acenaphthene	2500	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184545

Sample wt/vol: 30.2 (g/mL) G   Lab File ID: B184545DS

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 11 decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 6.7

GPC Cleanup: (Y/N) Y   pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6000	U
100-02-7	4-Nitrophenol	6000	U
132-64-9	Dibenzofuran	2500	U
121-14-2	2,4-Dinitrotoluene	2500	U
84-66-2	Diethylphthalate	2500	U
7005-72-3	4-Chlorophenyl-phenylether	2500	U
86-73-7	Fluorene	2500	U
100-01-6	4-Nitroaniline	6000	U
534-52-1	4,6-Dinitro-2-methylphenol	6000	U
86-30-6	N-Nitrosodiphenylamine (1)	2500	U
101-55-3	4-Bromophenyl-phenylether	2500	U
118-74-1	Hexachlorobenzene	2500	U
87-86-5	Pentachlorophenol	6000	U
85-01-8	Phenanthrene	2500	U
120-12-7	Anthracene	2500	U
86-74-8	Carbazole	2500	U
84-74-2	Di-n-Butylphthalate	2500	U
206-44-0	Fluoranthene	950	J
129-00-0	Pyrene	1200	J
85-68-7	Butylbenzylphthalate	2500	U
91-94-1	3,3'-Dichlorobenzidine	2500	U
56-55-3	Benzo(a)Anthracene	690	J
218-01-9	Chrysene	820	J
117-81-7	bis(2-Ethylhexyl)Phthalate	2100	J
117-84-0	Di-n-Octyl Phthalate	2500	U
205-99-2	Benzo(b)Fluoranthene	820	J
207-08-9	Benzo(k)Fluoranthene	710	J
50-32-8	Benzo(a)Pyrene	660	J
193-39-5	Indeno(1,2,3-cd)Pyrene	440	J
53-70-3	Dibenz(a,h)Anthracene	2500	U
191-24-2	Benzo(g,h,i)Perylene	2500	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS28S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

atrix: (soil/water) SOIL Lab Sample ID: 184545

ample wt/vol: 30.2 (g/mL) G Lab File ID: B184545DS

evel: (low/med) LOW Date Received: 05/21/93

Moisture: 11 decanted: (Y/N) N Date Extracted: 05/25/93

oncentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

njection Volume: 2.0(uL) Dilution Factor: 6.7

PC Cleanup: (Y/N) Y pH: 8.6

CONCENTRATION UNITS:
umber TICs found: 21 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.12~~	~~28000~~	~~BJXNA~~	R
2.	UNKNOWN SESQUITERPENE	22.15	3300	JX	
3.	UNKNOWN ALIPHATIC	23.80	2000	JX	
. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.90	4600	JNX	
.	UNKNOWN ALIPHATIC	26.43	2400	JX	
6.	UNKNOWN	26.93	2200	JX	
7.	UNKNOWN TRICHLOROBIPHENYL	27.32	6400	JX	
8. 638-36-8	HEXADECANE, 2,6,10,14-TETRAM	27.42	4200	JXN	
9.	UNKNOWN TRICHLOROBIPHENYL	27.87	3900	JX	
10.	UNKNOWN	28.28	2200	JX	
11.	UNKNOWN ALKANE	28.58	5100	JX	
12.	UNKNOWN TRICHLOROBIPHENYL	28.60	4500	JX	
13.	UNKNOWN TRICHLOROBIPHENYL	28.63	4400	JX	
14.	UNKNOWN TRICHLOROBIPHENYL	28.90	2500	JX	
15.	UNKNOWN	29.08	3400	JX	
16.	UNKNOWN	29.53	5500	JX	
17.	UNKNOWN	30.82	3000	JX	
18.	UNKNOWN ALIPHATIC	32.92	2300	JX	
19.	UNKNOWN	33.13	2600	JX	
20.	UNKNOWN	41.82	2400	JX	
21.	UNKNOWN POLYCYCLIC HYDROCARB	42.58	2700	JX	

pf

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184545

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 20.0 Date Analyzed: 06/17/93

% Solids: 89 Sulfur Clean-up: N (Y/N)

pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	680	U
11104-28-2	Aroclor-1221	680	U
11141-16-5	Aroclor-1232	680	U
53469-21-9	Aroclor-1242	680	U
12672-29-6	Aroclor-1248	100000	~~X~~
11097-69-1	Aroclor-1254	10000	
11096-82-5	Aroclor-1260	5900	

BB
11/14/93

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184545D1

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 200.0 Date Analyzed: 06/17/93

% Solids: 89 Sulfur Clean-up: N (Y/N)

pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	6800	U
11104-28-2	Aroclor-1221	6800	U
11141-16-5	Aroclor-1232	6800	U
53469-21-9	Aroclor-1242	6800	U
12672-29-6	Aroclor-1248	100000	D
11097-69-1	Aroclor-1254	10000	D
11096-82-5	Aroclor-1260	6800	U

BB
11/14/93

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS28S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36859_

Matrix (soil/water): SOIL_ Lab Sample ID: 184545

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _89.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700			P
7440-36-0	Antimony	19.1		N J	P
7440-38-2	Arsenic	7.8		SN* J	F
7440-39-3	Barium	262			P
7440-41-7	Beryllium	0.51	B		P
7440-43-9	Cadmium	14.8			P
7440-70-2	Calcium	48800			P
7440-47-3	Chromium	47.0		N* J	P
7440-48-4	Cobalt	11.2			P
7440-50-8	Copper	4740		* J	P
7439-89-6	Iron	41800		*	P
7439-92-1	Lead	4320		* J	P
7439-95-4	Magnesium	4480			P
7439-96-5	Manganese	540		N* J	P
7439-97-6	Mercury	4.9			CV
7440-02-0	Nickel	58.8			P
7440-09-7	Potassium	1130			P
7782-49-2	Selenium	0.27	B	WN J	F
7440-22-4	Silver	4.6		N J	P
7440-23-5	Sodium	117	B		P
7440-28-0	Thallium	0.57	U		F
7440-62-2	Vanadium	151			P
7440-66-6	Zinc	2360			P
	Cyanide	0.57	U		C

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184546

Sample wt/vol: 30.2 (g/mL) G   Lab File ID: B184546S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 15   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184546

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B184546S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	58	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	50	J
206-44-0	Fluoranthene	62	J
129-00-0	Pyrene	69	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	44	J
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS29S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184546

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B184546S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.33~~	~~7500~~	~~BJXNA~~	R
2. 629-99-2	PENTACOSANE	35.82	410	JXN	
3. 593-49-7	HEPTACOSANE	37.87	410	JXN	
4.	UNKNOWN ALIPHATIC	37.92	340	JX	
5. 630-02-4	OCTACOSANE	38.83	260	JXN	
6.	UNKNOWN ALKANAL	39.23	1400	JXZ	
7. 630-03-5	NONACOSANE	39.78	4300	JXN	
8.	UNKNOWN ALIPHATIC ALCOHOL	39.85	1100	JX	
9. 638-68-6	TRIACONTANE	40.67	350	JXN	
10.	UNKNOWN ALKANAL	41.10	690	JX	
11.	UNKNOWN C31-ALKANE	41.57	5700	JX	
12.	UNKNOWN ALIPHATIC	41.67	2300	JX	
13.	UNKNOWN ALKANAL	41.98	250	JX	
14.	UNKNOWN CHOLESTANE DERIVATIV	42.25	1300	JX	
15. 544-85-4	DOTRIACONTANE	42.40	260	JXN	
16.	UNKNOWN ALKANAL	42.87	1000	JX	
17.	UNKNOWN C33-ALKANE	43.32	2800	JX	
18.	UNKNOWN	43.62	340	JX	
19.	UNKNOWN SITOSTEROL	44.22	1100	JX	
20. 1058-61-3	STIGMAST-4-EN-3-ONE	45.88	580	JXN	
~~21. 123-28-4~~	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.38~~	~~620~~	~~BJXN~~	R

OM

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184546

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	36	U
11104-28-2	------Aroclor-1221	36	U
11141-16-5	------Aroclor-1232	36	U
53469-21-9	------Aroclor-1242	36	U
12672-29-6	------Aroclor-1248	36	U
11097-69-1	------Aroclor-1254	36	U
11096-82-5	------Aroclor-1260	36	U

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS29S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix (soil/water): SOIL Lab Sample ID: 184546

Level (low/med): LOW Date Received: 05/21/93

% Solids: 84.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	5.0	U	N J	P
7440-38-2	Arsenic	7.8		N* J	F
7440-39-3	Barium	77.0			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	0.36	U		P
7440-70-2	Calcium	4810			P
7440-47-3	Chromium	13.4		N* J	P
7440-48-4	Cobalt	8.7	B		P
7440-50-8	Copper	29.3		* J	P
7439-89-6	Iron	20800		*	P
7439-92-1	Lead	23.0		J	F
7439-95-4	Magnesium	2980			P
7439-96-5	Manganese	644		N* J	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	22.5			P
7440-09-7	Potassium	1110			P
7782-49-2	Selenium	0.27	B	WN J	F
7440-22-4	Silver	0.78	U	N J	P
7440-23-5	Sodium	93.1	U		P
7440-28-0	Thallium	0.53	U		F
7440-62-2	Vanadium	20.8			P
7440-66-6	Zinc	104			P
	Cyanide	0.70	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184547

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B184547I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184547

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B184547I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	58	J
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	51	J
218-01-9	Chrysene	70	J
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	68	J
207-08-9	Benzo(k)Fluoranthene	50	J
50-32-8	Benzo(a)Pyrene	57	J
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30S

Lab Name: AQUATEC INC Contract: 93208

[illegible] Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184547

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B184547I2S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
~~1.~~	~~123-42-2~~	~~2-PROPANONE, 4-HYDROXY-4-MET~~	~~4.32~~	~~6300~~	~~BJXNA~~	R
2.	91-64-5	2H-1-BENZOPYRAN-2-ONE	21.77	1400	JXN	
3.		UNKNOWN ALIPHATIC	25.68	290	JX	
4.	57-10-3	HEXADECANOIC ACID	29.50	830	JXN	
5.		UNKNOWN ALIPHATIC ESTER	31.77	5200	JX	
6.	629-99-2	PENTACOSANE	35.82	320	JXN	
7.	593-49-7	HEPTACOSANE	37.87	380	JXN	
8.		UNKNOWN ALKANAL	39.23	1700	JXZ	
9.	630-03-5	NONACOSANE	39.78	3700	JXN	
10.		UNKNOWN ALIPHATIC ALCOHOL	39.85	1000	JX	
11.	638-68-6	TRIACONTANE	40.67	310	JXN	
12.		UNKNOWN ALKANAL	41.10	860	JX	
13.		UNKNOWN C31-ALKANE	41.57	4000	JX	
14.		UNKNOWN ALIPHATIC	41.67	1800	JX	
15.		UNKNOWN ALIPHATIC	42.17	230	JX	
16.		UNKNOWN ALKANAL	42.87	970	JX	
17.		UNKNOWN C33-ALKANE	43.32	1700	JX	
18.		UNKNOWN	43.62	380	JX	
19.		UNKNOWN SITOSTEROL	44.22	1100	JX	
20.	1058-61-3	STIGMAST-4-EN-3-ONE	45.88	460	JXN	
~~21.~~	~~123-28-4~~	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.38~~	~~630~~	~~BJXN~~	R

DP

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184547

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	36	U
11104-28-2	------Aroclor-1221	36	U
11141-16-5	------Aroclor-1232	36	U
53469-21-9	------Aroclor-1242	36	U
12672-29-6	------Aroclor-1248	36	U
11097-69-1	------Aroclor-1254	36	U
11096-82-5	------Aroclor-1260	36	

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS30S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix (soil/water): SOIL Lab Sample ID: 184547

Level (low/med): LOW Date Received: 05/21/93

% Solids: 84.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	4.8	U	N J	P
7440-38-2	Arsenic	7.7		SN* J	F
7440-39-3	Barium	76.8			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	0.35	U		P
7440-70-2	Calcium	37900			P
7440-47-3	Chromium	14.3		N* J	P
7440-48-4	Cobalt	8.6	B		P
7440-50-8	Copper	25.5		* J	P
7439-89-6	Iron	21900		*	P
7439-92-1	Lead	25.0			F
7439-95-4	Magnesium	3580			P
7439-96-5	Manganese	466		N* J	P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	23.6			P
7440-09-7	Potassium	1290			P
7782-49-2	Selenium	0.25	U	WN J	F
7440-22-4	Silver	0.76	U	N J	P
7440-23-5	Sodium	90.3	U		P
7440-28-0	Thallium	0.58	U		F
7440-62-2	Vanadium	21.7			P
7440-66-6	Zinc	71.9			P
	Cyanide	0.70	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184548

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184548S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/23/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184548

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184548S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/23/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	82	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	41	J
218-01-9	Chrysene	58	J
117-81-7	bis(2-Ethylhexyl)Phthalate	31	J
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	88	J
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	43	J
193-39-5	Indeno(1,2,3-cd)Pyrene	26	J
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	25	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS31S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184548

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184548S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/23/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
~~1.~~	~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.47~~	~~5100~~	~~BJXNA~~	R
2.	1120-21-4	UNDECANE	14.45	1400	JXN	
3.		UNKNOWN ALIPHATIC ESTER	25.35	580	JX	
[illegible].		UNKNOWN ALIPHATIC	25.70	400	JX	
5.	57-10-3	HEXADECANOIC ACID	29.50	490	JXN	
6.		UNKNOWN ALIPHATIC	35.83	360	JX	
7.	593-49-7	HEPTACOSANE	37.88	380	JXN	
8.		UNKNOWN ALKANAL	39.25	1300	JXZ	
9.	630-03-5	NONACOSANE	39.80	2700	JXN	
10.		UNKNOWN ALIPHATIC ALCOHOL	39.87	690	JX	
11.		UNKNOWN ALKANAL	41.12	1000	JX	
12.		UNKNOWN C31-ALKANE	41.58	3300	JX	
13.		UNKNOWN ALKENE	41.70	840	JX	
14.		UNKNOWN CHOLESTANE DERIVATIV	42.28	4100	JX	
15.		UNKNOWN POLYTERPENE DERIVATI	42.73	370	JX	
16.		UNKNOWN ALKANAL	42.88	510	JX	
17.		UNKNOWN C33-ALKANE	43.33	1400	JX	
18.		UNKNOWN POLYTERPENE DERIVATI	43.63	420	JX	
19.		UNKNOWN SITOSTEROL	44.25	1300	JX	
~~20.~~	~~123-28-4~~	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.42~~	~~490~~	~~BJXN~~	R
21.		UNKNOWN ALIPHATIC	48.17	350	JX	

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184548

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 82 Sulfur Clean-up: N (Y/N)

pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS31S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: SDG No.: 36859_

Matrix (soil/water): SOIL_ Lab Sample ID: 184548

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _82.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9330			P
7440-36-0	Antimony	4.9	U	N J	P
7440-38-2	Arsenic	8.5		N* J	F
7440-39-3	Barium	65.5			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.36	U		P
7440-70-2	Calcium	57400			P
7440-47-3	Chromium	12.1		N* J	P
7440-48-4	Cobalt	7.8	B		P
7440-50-8	Copper	23.8		* J	P
7439-89-6	Iron	19700		*	P
7439-92-1	Lead	20.3			F
7439-95-4	Magnesium	3140			P
7439-96-5	Manganese	478		N* J	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	20.7			P
7440-09-7	Potassium	1050			P
7782-49-2	Selenium	0.28	U	WN J	F
7440-22-4	Silver	0.77	U	N J	P
7440-23-5	Sodium	91.8	U		P
7440-28-0	Thallium	0.65	U		F
7440-62-2	Vanadium	18.8			P
7440-66-6	Zinc	66.6			P
	Cyanide	0.70	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts:

Comments:

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184362

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184362S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	22	J
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	30	J
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184362

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184362S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	~~U~~ UJ
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	37	J
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	~~U~~ UJ
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	29	J
86-74-8	Carbazole	51	J
84-74-2	Di-n-Butylphthalate	420 ~~41~~	~~J~~ u
206-44-0	Fluoranthene	600	
129-00-0	Pyrene	560	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)Anthracene	230	J
218-01-9	Chrysene	310	J
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	390	J
207-08-9	Benzo(k)Fluoranthene	170	J
50-32-8	Benzo(a)Pyrene	280	J
193-39-5	Indeno(1,2,3-cd)Pyrene	150	J
53-70-3	Dibenz(a,h)Anthracene	92	J
191-24-2	Benzo(g,h,i)Perylene	120	J

JBB

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS32S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184362

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184362S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	141-79-7	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~5.25~~	~~120~~	~~BJXNA~~	R
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.67~~	~~4300~~	~~BJXNA~~	R
3.		UNKNOWN	25.32	490	JX	
4.		UNKNOWN ALIPHATIC	27.93	650	JX	
5.	638-67-5	TRICOSANE	35.95	530	JXN	
6.	646-13-9	OCTADECANOIC ACID, ~~2-METHYLP~~ Unknown	37.00	1100	~~JXN~~ J	
7.	629-99-2	PENTACOSANE	38.17	540	JXN	
8.	593-49-7	HEPTACOSANE	40.25	2200	JXN	
9.	630-02-4	OCTACOSANE	41.22	690	JXN	
10.		UNKNOWN ALIPHATIC ALDEHYDE	41.70	1600	JXZ	
11.	630-03-5	NONACOSANE	42.18	14000	JXN	
12.	506-52-5	1-HEXACOSANOL	42.30	1900	JXNZ	
13.	638-68-6	TRIACONTANE	43.13	520	JXN	
14.		UNKNOWN ALIPHATIC ALCOHOL	43.32	420	JX	
15.		UNKNOWN ALIPHATIC ALDEHYDE	43.72	1200	JX	
16.		UNKNOWN ~~C31~~-ALKANE	44.22	3400	~~JX~~ J	
17.		UNKNOWN ALIPHATIC ALCOHOL	44.42	1700	JX	
18.		UNKNOWN	45.25	520	JX	
19.		UNKNOWN ALIPHATIC ALDEHYDE	46.30	1200	JX	
20.		UNKNOWN ~~C33~~-ALKANE	46.90	590	~~JX~~ J	
21.		UNKNOWN SITOSTEROL	49.18	1300	JX	
22.	1058-61-3	STIGMAST-4-EN-3-ONE	52.15	720	JXN	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184362

Phase Weight: 30.1 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 1.0 Date Analyzed: 06/04/93

% Solids: 79 Sulfur Clean-up: N (Y/N)

pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	51	

FORM I HCA

Rev. 9/88

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS32S

Lab Name: AQUATEC   Contract: 93208

Lab Code: AQUAI_   Case No.: 93208_   SAS No.: ______   SDG No.: 36838_

Matrix (soil/water): SOIL_   Lab Sample ID: 184362

Level (low/med): LOW__   Date Received: 05/19/93

% Solids: _79.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7150			P
7440-36-0	Antimony	5.7	U	~~N*~~ J	P
7440-38-2	Arsenic	9.1		~~N*~~ J	F
7440-39-3	Barium	72.0			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.41	U		P
7440-70-2	Calcium	81100		* J	P
7440-47-3	Chromium	10.6			P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	31.0		~~*~~ J	P
7439-89-6	Iron	16200		*	P
7439-92-1	Lead	48.1			F
7439-95-4	Magnesium	3900			P
7439-96-5	Manganese	339			P
7439-97-6	Mercury	0.14		~~N~~ J	CV
7440-02-0	Nickel	19.4		~~N~~ J	P
7440-09-7	Potassium	1260			P
7782-49-2	Selenium	0.29	U	~~N~~ J	F
7440-22-4	Silver	0.89	U	~~N*~~ J	P
7440-23-5	Sodium	133	B		P
7440-28-0	Thallium	0.67	U	~~W~~ J	F
7440-62-2	Vanadium	17.6			P
7440-66-6	Zinc	77.9			P
	Cyanide	0.63	U		C

JBB

Color Before: BROWN   Clarity Before: ______   Texture: MEDIUM

Color After: YELLOW   Clarity After: CLEAR_   Artifacts: YES

Comments:
WEEDS_WERE_PRESENT.

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184363

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184363S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 17 decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/08/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184363

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184363S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	~~U~~ UJ
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	960	~~U~~ UJ
85-01-8	Phenanthrene	36	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400 ~~30~~	~~J~~ U
206-44-0	Fluoranthene	49	J
129-00-0	Pyrene	52	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	24	J
218-01-9	Chrysene	35	J
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

JBD

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS33S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184363

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184363S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 17   decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/08/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.4

Number TICs found: 22

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
1.	141-79-7	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~5.23~~	~~96~~	~~BJXNA~~	R
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.67~~	~~3500~~	~~BJXNA~~	R
3.		UNKNOWN ALIPHATIC	27.63	580	JX	
4.		UNKNOWN ALIPHATIC	27.93	420	JX	
5.		UNKNOWN HEXADECANOATE	34.65	490	JX	
6.	638-67-5	TRICOSANE	35.95	170	JXN	
7.	646-13-9	OCTADECANOIC ACID, ~~2-METHYL~~P Unknown	37.00	1000	~~JXN~~ J	
8.		UNKNOWN ALIPHATIC	37.53	190	JX	
9.	593-49-7	HEPTACOSANE	40.23	370	JXN	
10.	506-51-4	1-TETRACOSANOL	40.33	180	JXN	
11.		UNKNOWN ALIPHATIC ALDEHYDE	41.70	810	JX	
12.	630-03-5	NONACOSANE	42.17	3300	JXN	
13.	506-52-5	1-HEXACOSANOL	42.30	540	JXN	
14.	638-68-6	TRIACONTANE	43.12	240	JXN	
15.		UNKNOWN ALIPHATIC ALDEHYDE	43.72	440	JX	
16.		UNKNOWN ~~C31~~ ALKANE	44.22	1500	~~JX~~ J	
17.		UNKNOWN ALIPHATIC ALCOHOL	44.42	640	JX	
18.		UNKNOWN	45.25	170	JX	
19.		UNKNOWN ALIPHATIC ALDEHYDE	46.28	430	JX	
20.		UNKNOWN ~~C33~~ ALKANE	46.90	380	~~JX~~ J	
21.		UNKNOWN SITOSTEROL	49.18	460	JX	
22.	1058-61-3	STIGMAST-4-EN-3-ONE	52.13	230	JXN	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184363

Phase Weight: 30.3 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 1.0 Date Analyzed: 06/04/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	36	U
11104-28-2	------Aroclor-1221	36	U
11141-16-5	------Aroclor-1232	36	U
53469-21-9	------Aroclor-1242	36	U
12672-29-6	------Aroclor-1248	36	U
11097-69-1	------Aroclor-1254	36	U
11096-82-5	------Aroclor-1260	36	U

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS33S

Name: AQUATEC________________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184363____

Level (low/med): LOW__ Date Received: 05/19/93

% Solids: _82.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10300			P
7440-36-0	Antimony	5.7	B	N*J	P
7440-38-2	Arsenic	8.6		N*J	F
7440-39-3	Barium	75.7			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	0.36	U		P
7440-70-2	Calcium	23900		*J	P
7440-47-3	Chromium	14.0			P
7440-48-4	Cobalt	8.6	B		P
7440-50-8	Copper	24.1		*J	P
7439-89-6	Iron	21800		*	P
7439-92-1	Lead	15.7			F
7439-95-4	Magnesium	3220			P
7439-96-5	Manganese	513			P
7439-97-6	Mercury	0.08	B	NJ	CV
7440-02-0	Nickel	24.5		NJ	P
7440-09-7	Potassium	1300			P
7782-49-2	Selenium	0.27	U	WNJ	F
7440-22-4	Silver	0.77	U	N*J	P
7440-23-5	Sodium	91.1	U		P
7440-28-0	Thallium	0.63	U	WJ	F
7440-62-2	Vanadium	20.4			P
7440-66-6	Zinc	63.0			P
	Cyanide	0.59	U		C

JDS

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILM02.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33SD

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184364

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184364S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/08/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33SD

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184364

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184364S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 13   decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/08/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	~~U~~ UJ
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	920	~~U~~ UJ
85-01-8	Phenanthrene	27	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380 ~~32~~	~~J~~ u
206-44-0	Fluoranthene	37	J
129-00-0	Pyrene	38	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	27	J
117-81-7	bis(2-Ethylhexyl)Phthalate	380 ~~36~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

JBB

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS33SD

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184364

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184364S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 13 decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/08/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.6

Number TICs found: 22

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
1.	141-79-7	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~5.30~~	~~95~~	~~BJXNA~~	R
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.70~~	~~4000~~	~~BJXNA~~	R
3.		UNKNOWN ALIPHATIC	21.88	270	JX	
4.		UNKNOWN ALIPHATIC	28.00	310	JX	
5.		UNKNOWN ALIPHATIC	33.68	340	JX	
6.		UNKNOWN HEXADECANOATE	34.72	270	JX	
7.		UNKNOWN C13-ALKYLPHENOL	36.12	400	JX	
8.	646-13-9	Unknown OCTADECANOIC ACID, ~~2-METHYLP~~	37.07	440	~~JXN~~ J	
9.		UNKNOWN ALIPHATIC	37.60	2100	JX	
10.		UNKNOWN ALIPHATIC	39.87	770	JX	
11.	593-49-7	HEPTACOSANE	40.30	320	JXN	
12.		UNKNOWN ALIPHATIC ALDEHYDE	41.77	1000	JXZ	
13.	630-03-5	NONACOSANE	42.23	3100	JXN	
14.	506-52-5	1-HEXACOSANOL	42.37	650	JXN	
15.	638-68-6	TRIACONTANE	43.18	260	JXN	
16.		UNKNOWN ALIPHATIC ALDEHYDE	43.77	550	JX	
17.		UNKNOWN ~~C31~~-ALKANE	44.27	1800	~~JX~~ J	
18.		UNKNOWN ALIPHATIC ALCOHOL	44.47	920	JX	
19.		UNKNOWN ALIPHATIC ALDEHYDE	46.35	580	JX	
20.		UNKNOWN ~~C33~~-ALKANE	46.95	480	~~JX~~ J	
21.		UNKNOWN SITOSTEROL	49.25	550	JX	
22.	1058-61-3	STIGMAST-4-EN-3-ONE	52.22	460	JXN	

JBB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33SD

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36838

Phase Type: Soil Lab Sample ID: 184364

Phase Weight: 30.0 (g) Date Received: 05/19/93

Injection Volume: 1.0 (uL) Date Extracted: 05/24/93

Dilution Factor: 1.0 Date Analyzed: 06/04/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

FORM I HCA

Rev. 9/88

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS33SD

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix (soil/water): SOIL Lab Sample ID: 184364

Level (low/med): LOW Date Received: 05/19/93

% Solids: 86.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10600			P
7440-36-0	Antimony	6.1	U	~~N*~~ J	P
7440-38-2	Arsenic	8.6		~~N*~~ J	F
7440-39-3	Barium	78.1			P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	0.44	U		P
7440-70-2	Calcium	25500		~~*~~ J	P
7440-47-3	Chromium	14.3			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	23.4		~~*~~ J	P
7439-89-6	Iron	22200		*	P
7439-92-1	Lead	15.0			F
7439-95-4	Magnesium	3280			P
7439-96-5	Manganese	518			P
7439-97-6	Mercury	0.05		~~N~~ J	CV
7440-02-0	Nickel	24.4		~~N~~ J	P
7440-09-7	Potassium	1140			P
7782-49-2	Selenium	0.24	U	~~WN~~ J	F
7440-22-4	Silver	1.0	B	~~N*~~ J	P
7440-23-5	Sodium	114	U		P
7440-28-0	Thallium	0.55	U	~~W~~ J	F
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	62.7			P
	Cyanide	0.56	U		C

JBS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILM02.1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS34S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184549

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184549S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/23/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS34S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184549

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184549S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/23/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	66	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	47	J
218-01-9	Chrysene	65	J
117-81-7	bis(2-Ethylhexyl)Phthalate	40	J
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	87	J
207-08-9	Benzo(k)Fluoranthene	34	J
50-32-8	Benzo(a)Pyrene	44	J
193-39-5	Indeno(1,2,3-cd)Pyrene	28	J
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS34S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184549

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	38	

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS34S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix (soil/water): SOIL Lab Sample ID: 184549

Level (low/med): LOW Date Received: 05/21/93

% Solids: 83.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000			P
7440-36-0	Antimony	5.2	U	N J	P
7440-38-2	Arsenic	7.7		N* J	F
7440-39-3	Barium	89.2			P
7440-41-7	Beryllium	0.63	B		P
7440-43-9	Cadmium	0.38	U		P
7440-70-2	Calcium	19300			P
7440-47-3	Chromium	17.8		N* J	P
7440-48-4	Cobalt	9.6	B		P
7440-50-8	Copper	28.1		* J	P
7439-89-6	Iron	23500		*	P
7439-92-1	Lead	39.3			F
7439-95-4	Magnesium	4140			P
7439-96-5	Manganese	526		N* J	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	25.3			P
7440-09-7	Potassium	1660			P
7782-49-2	Selenium	0.28	B	WN J	F
7440-22-4	Silver	0.83	U	N r	P
7440-23-5	Sodium	98.4	U		P
7440-28-0	Thallium	0.63	U		F
7440-62-2	Vanadium	25.8			P
7440-66-6	Zinc	78.1			P
	Cyanide	0.72	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILMO2.1

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS35S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184365

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184365S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	47	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	54	J
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	230	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	38	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS35S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36838

Matrix: (soil/water) SOIL   Lab Sample ID: 184365

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: A184365S

Level: (low/med) LOW   Date Received: 05/19/93

% Moisture: 12   decanted: (Y/N) N   Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/08/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	~~U~~ UJ
132-64-9	Dibenzofuran	39	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	150	J
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	910	~~U~~ UJ
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	150	J
86-74-8	Carbazole	140	J
84-74-2	Di-n-Butylphthalate	370 ~~53~~	~~J~~ U
206-44-0	Fluoranthene	3000	
129-00-0	Pyrene	2600	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	1600	
218-01-9	Chrysene	1000	
117-81-7	bis(2-Ethylhexyl)Phthalate	370 ~~97~~	~~J~~ U
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	1900	
207-08-9	Benzo(k)Fluoranthene	710	
50-32-8	Benzo(a)Pyrene	870	
193-39-5	Indeno(1,2,3-cd)Pyrene	860	
53-70-3	Dibenz(a,h)Anthracene	320	J
191-24-2	Benzo(g,h,i)Perylene	590	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS35S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36838

Matrix: (soil/water) SOIL Lab Sample ID: 184365

Sample wt/vol: 30.1 (g/mL) G Lab File ID: A184365S

Level: (low/med) LOW Date Received: 05/19/93

% Moisture: 12 decanted: (Y/N) N Date Extracted: 05/24/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/08/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	141-79-7	3~~-PENTEN-2-ONE, 4-METHYL-~~	~~5.25~~	~~94~~	~~BJXNA~~	R
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~7.65~~	~~3900~~	~~BJXNA~~	R
3.	832-71-3	PHENANTHRENE, 3-METHYL-	31.70	640	JXN	
4.	2531-84-2	PHENANTHRENE, 2-METHYL-	31.80	680	JXNZ	
5.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	32.10	1000	JXNZ	
6.		UNKNOWN HEXADECANOATE	34.68	620	JX	
7.	72-55-9	P,P'-DDE	35.30	1900	JXNZ	
8.	638-67-5	TRICOSANE	35.97	930	JXN	
9.	238-84-6	11H-BENZO[A]FLUORENE	36.02	700	JXN	
10.		UNKNOWN METHYLPYRENE Unknown	36.68	600	JX	
11.	646-13-9	OCTADECANOIC ACID, ~~2-METHYL~~P	37.02	1400	~~JXN~~ J	
12.	50-29-3	P,P'-DDT	37.40	2700	JXN	
13.	629-99-2	~~PENTACOSANE~~ Unknown	38.18	960	~~JXN~~ J	
14.	593-49-7	HEPTACOSANE	40.27	2600	JXNZ	
15.		UNKNOWN ALIPHATIC ALDEHYDE	41.72	1900	JXZ	JBD
16.		UNKNOWN AROMATIC KETONE	41.87	1500	JX	
17.	630-03-5	NONACOSANE	42.18	3300	JXN	
18.	506-52-5	1-HEXACOSANOL	42.32	1600	JXN	
19.		UNKNOWN C20H12-PAH	42.68	640	JX	
20.	192-97-2	BENZO[E]PYRENE	43.25	1200	JXN	
21.		UNKNOWN ALIPHATIC ALDEHYDE	43.73	1200	JXZ	
22.		UNKNOWN ~~C31~~-ALKANE	44.23	1700	~~JX~~ J	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS35S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36838

Phase Type: Soil

Lab Sample ID: 184365

Phase Weight: 30.2 (g)

Date Received: 05/19/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/24/93

Dilution Factor: 1.0

Date Analyzed: 06/04/93

% Solids: 88

Sulfur Clean-up: N (Y/N)

pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	34	U
11104-28-2	------Aroclor-1221	34	U
11141-16-5	------Aroclor-1232	34	U
53469-21-9	------Aroclor-1242	34	U
12672-29-6	------Aroclor-1248	34	U
11097-69-1	------Aroclor-1254	62	
11096-82-5	------Aroclor-1260	290	

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS35S

Lab Name: AQUATEC______________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184365____

Level (low/med): LOW__ Date Received: 05/19/93

% Solids: _88.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9320			P
7440-36-0	Antimony	8.6	B	~~N*~~ J	P
7440-38-2	Arsenic	9.0		~~N*~~ J	F
7440-39-3	Barium	101			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	69800		~~*~~ J	P
7440-47-3	Chromium	17.9			P
7440-48-4	Cobalt	8.8			P
7440-50-8	Copper	58.9		~~*~~ J	P
7439-89-6	Iron	22100		*	P
7439-92-1	Lead	207		~~*~~ J	P
7439-95-4	Magnesium	5200			P
7439-96-5	Manganese	494			P
7439-97-6	Mercury	0.10		~~N~~ J	CV
7440-02-0	Nickel	22.6		~~N~~ J	P
7440-09-7	Potassium	1370			P
7782-49-2	Selenium	0.22	U	W~~N~~ J	F
7440-22-4	Silver	0.69	U	~~N*~~ J	P
7440-23-5	Sodium	120	B		P
7440-28-0	Thallium	0.52	U		F
7440-62-2	Vanadium	21.1			P
7440-66-6	Zinc	134			P
	Cyanide	0.53	U		C

JDD

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
ROOTS_WERE_PRESENT.

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 12
To Jim Baldwin	From Bob Martin
Co. Dataval	Co. Upstate
Dept.	Phone #
Fax # 607-785-5504	Fax #

Upstate Laboratories, Inc.

Sample Data

Client: Blasland & Bouck Engineers, P.C.
Project: M. Wallace and Son Scrapyard Site
Project No.: 364.17.13

Parameter: PCBs
Method: EPA 8080

Sample:

Client I.D. No.	surface soil SS-363 RE
ULI ID No.	33693001
Date Leached	–
Date Extracted	12/2/93
Instrument No.	9.0
Date Analyzed	12/03/93
Units	ug/kg dry wt.

Sample:

Matrix	soil
File No.	PA0203
Record No.	C129309A

Calibration Curve:

Instrument No.	9.0
Date Analyzed	12/1/93

Compound	Result	Key
Aroclor 1016	<1800	
Aroclor 1221	<1800	
Aroclor 1232	<1800	
Aroclor 1242	<1800	
Aroclor 1248	<1800	
Aroclor 1254	<1800	
Aroclor 1260	3400	
Total Aroclors	3400	

Upstate Laboratories, Inc.

Sample Data

Client:	Blasland & Bouck Engineers, P.C.
Project:	M. Wallace and Son Scrapyard Site
Project No.:	364.17.13

Parameter:	PCBs
Method:	EPA 8080

Sample:

Client I.D. No.	surface soil SS-37S RE
ULI ID No.	33693002
Date Leached	–
Date Extracted	12/2/93
Instrument No.	9.0
Date Analyzed	12/03/93
Units	ug/kg dry wt.

Sample:

Matrix	soil
File No.	PA0203
Record No.	C129309B

Calibration Curve:

Instrument No.	9.0
Date Analyzed	12/1/93

Compound	Result	Key
Aroclor 1016	<1300	
Aroclor 1221	<1300	
Aroclor 1232	<1300	
Aroclor 1242	<1300	
Aroclor 1248	<1300	
Aroclor 1254	<1300	
Aroclor 1260	3300	
Total Aroclors	3300	

Upstate Laboratories, Inc.

Sample Data

Client:	Blasland & Bouck Engineers, P.C.
Project:	M. Wallace and Son Scrapyard Site
Project No.:	364.17.13
Parameter:	PCBs
Method:	EPA 8080

Sample:

Client I.D. No.	surface soil SS-37SD RE
ULI ID No.	33693005
Date Leached	–
Date Extracted	12/2/93
Instrument No.	9.0
Date Analyzed	12/03/93
Units	ug/kg dry wt.

Sample:

Matrix	soil
File No.	PA0203
Record No.	C129309E

Calibration Curve:

Instrument No.	9.0
Date Analyzed	12/1/93

Compound	Result	Key
Aroclor 1016	<1000	
Aroclor 1221	<1000	
Aroclor 1232	<1000	
Aroclor 1242	<1000	
Aroclor 1248	<1000	
Aroclor 1254	<1000	
Aroclor 1260	3100	
Total Aroclors	3100	

Upstate Laboratories, Inc.

Sample Data

Client:	Blasland & Bouck Engineers, P.C.
Project:	M. Wallace and Son Scrapyard Site
Project No.:	364.17.13

Parameter:	PCBs
Method:	EPA 8080

Sample:

Client I.D. No.	surface soil SS-38S RE
ULI ID No.	33693003
Date Leached	–
Date Extracted	12/2/93
Instrument No.	9.0
Date Analyzed	12/03/93
Units	ug/kg dry wt.

Sample:

Matrix	soil
File No.	PA0203
Record No.	C129309C

Calibration Curve:

Instrument No.	9.0
Date Analyzed	12/1/93

Compound	Result	Key
Aroclor 1016	<11,000	
Aroclor 1221	<11,000	
Aroclor 1232	<11,000	
Aroclor 1242	<11,000	
Aroclor 1248	<11,000	
Aroclor 1254	<11,000	
Aroclor 1260	26,000	
Total Aroclors	26,000	

Upstate Laboratories, Inc.

Sample Data

Client:	Blasland & Bouck Engineers, P.C.
Project:	M. Wallace and Son Scrapyard Site
Project No.:	364.17.13
Parameter:	PCBs
Method:	EPA 8080

Sample:

Client I.D. No.	surface soil SS-39S RE
ULI ID No.	33693004
Date Leached	–
Date Extracted	12/2/93
Instrument No.	9.0
Date Analyzed	12/03/93
Units	ug/kg dry wt.

Sample:

Matrix	soil
File No.	PA0203
Record No.	C129309D

Calibration Curve:

Instrument No.	9.0
Date Analyzed	12/1/93

Compound	Result	Key
Aroclor 1016	<8400	
Aroclor 1221	<8400	
Aroclor 1232	<8400	
Aroclor 1242	<8400	
Aroclor 1248	<8400	
Aroclor 1254	<8400	
Aroclor 1260	15,000	
Total Aroclors	15,000	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS40S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192167

Phase Weight: 30.0 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/18/93

% Solids: 80 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	21	U
11104-28-2	------Aroclor-1221	21	U
11141-16-5	------Aroclor-1232	21	U
53469-21-9	------Aroclor-1242	21	U
12672-29-6	------Aroclor-1248	21	U
11097-69-1	------Aroclor-1254	21	U
11096-82-5	------Aroclor-1260	21	U

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS41S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192168

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/18/93

% Solids: 89 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	19	U
11104-28-2	Aroclor-1221	19	U
11141-16-5	Aroclor-1232	19	U
53469-21-9	Aroclor-1242	19	U
12672-29-6	Aroclor-1248	19	U
11097-69-1	Aroclor-1254	19	U
11096-82-5	Aroclor-1260	19	U

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS42S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192169

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/18/93

% Solids: 80 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	21	U
11104-28-2	Aroclor-1221	21	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	21	U
11097-69-1	Aroclor-1254	21	U
11096-82-5	Aroclor-1260	70	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS43S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192170

Phase Weight: 30.0 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/18/93

% Solids: 78 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	22	U
11104-28-2	Aroclor-1221	22	U
11141-16-5	Aroclor-1232	22	U
53469-21-9	Aroclor-1242	22	U
12672-29-6	Aroclor-1248	22	U
11097-69-1	Aroclor-1254	13	J
11096-82-5	Aroclor-1260	12	J

FORM I HCA

Rev. 9/88

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS44S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192171

Phase Weight: 30.0 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/18/93

% Solids: 80 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	21	U
11104-28-2	Aroclor-1221	21	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	21	U
11097-69-1	Aroclor-1254	11	J
11096-82-5	Aroclor-1260	11	J

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS45S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192172

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/18/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	21	U
11104-28-2	Aroclor-1221	21	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	21	U
11097-69-1	Aroclor-1254	10	J
11096-82-5	Aroclor-1260	10	J

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS45SD

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192173

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/19/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	21	U
11104-28-2	Aroclor-1221	21	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	21	U
11097-69-1	Aroclor-1254	21	U
11096-82-5	Aroclor-1260	9.1	J

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS46S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192174

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/19/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	21	U
11104-28-2	Aroclor-1221	21	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	21	U
11097-69-1	Aroclor-1254	21	U
11096-82-5	Aroclor-1260	21	U

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS47S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192175

Phase Weight: 30.0 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/19/93

% Solids: 80 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	21	U
11104-28-2	Aroclor-1221	21	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	21	U
11097-69-1	Aroclor-1254	19	J
11096-82-5	Aroclor-1260	19	J

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS48S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192176

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/19/93

% Solids: 79 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	22	U
11104-28-2	------Aroclor-1221	22	U
11141-16-5	------Aroclor-1232	22	U
53469-21-9	------Aroclor-1242	22	U
12672-29-6	------Aroclor-1248	22	U
11097-69-1	------Aroclor-1254	20	J
11096-82-5	------Aroclor-1260	13	J

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS49S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192177

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/19/93

% Solids: 80 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	21	U
11104-28-2	------Aroclor-1221	21	U
11141-16-5	------Aroclor-1232	21	U
53469-21-9	------Aroclor-1242	21	U
12672-29-6	------Aroclor-1248	21	U
11097-69-1	------Aroclor-1254	21	U
11096-82-5	------Aroclor-1260	9.3	J

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS50S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 38500

Phase Type: Soil Lab Sample ID: 192178

Phase Weight: 30.1 (g) Date Received: 08/06/93

Injection Volume: 1.0 (uL) Date Extracted: 08/11/93

Dilution Factor: 1.0 Date Analyzed: 08/19/93

% Solids: 77 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	22	U
11104-28-2	Aroclor-1221	22	U
11141-16-5	Aroclor-1232	22	U
53469-21-9	Aroclor-1242	22	U
12672-29-6	Aroclor-1248	22	U
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	22	U

FORM I HCA

Rev. 9/88

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS51

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL
Phase Weight: 30.3 (g)
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
% Solids: 96

Lab Sample ID: 193997
Date Received: 08/18/93
Date Extracted: 08/23/93
Date Analyzed: 09/30/93
Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	18	U
11104-28-2	Aroclor-1221	18	U
11141-16-5	Aroclor-1232	18	U
53469-21-9	Aroclor-1242	18	U
12672-29-6	Aroclor-1248	18	U
11097-69-1	Aroclor-1254	18	U
11096-82-5	Aroclor-1260	35	

Rev. 10/14/93 LTS

FORM 1

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSTP1S

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL

Phase Weight: 30.0 (g)

Injection Volume: 1.0 (uL)

Dilution Factor: 50.0

% Solids: 82

Lab Sample ID: 193993

Date Received: 08/18/93

Date Extracted: 08/23/93

Date Analyzed: 09/30/93

Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND		CONCENTRATION (ug/Kg)	Q	
12674-11-2	Aroclor-1016		1100	U	
11104-28-2	Aroclor-1221		1100	U	
11141-16-5	Aroclor-1232		1100	U	
53469-21-9	Aroclor-1242		1100	U	
12672-29-6	Aroclor-1248		1100	U	
11097-69-1	Aroclor-1254		1100	U	
11096-82-5	Aroclor-1260	19000	~~20000~~	~~X~~	Ao.?

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSTP1SDL

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL
Phase Weight: 30.0 (g)
Injection Volume: 1.0 (uL)
Dilution Factor: 100
% Solids: 82

Lab Sample ID: 193993D1
Date Received: 08/18/93
Date Extracted: 08/23/93
Date Analyzed: 10/09/93
Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	2100	U
11104-28-2	Aroclor-1221	2100	U
11141-16-5	Aroclor-1232	2100	U
53469-21-9	Aroclor-1242	2100	U
12672-29-6	Aroclor-1248	2100	U
11097-69-1	Aroclor-1254	2100	U
11096-82-5	Aroclor-1260	19000	D

ACO

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSTP2S

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL Lab Sample ID: 193994

Phase Weight: 30.2 (g) Date Received: 08/18/93

Injection Volume: 1.0 (uL) Date Extracted: 08/23/93

Dilution Factor: 20.0 Date Analyzed: 09/30/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	390	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	390	U
11097-69-1	Aroclor-1254	420	
11096-82-5	Aroclor-1260	1600	

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSTP3S

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL
Phase Weight: 30.0 (g)
Injection Volume: 1.0 (uL)
Dilution Factor: 50.0
% Solids: 87

Lab Sample ID: 193995
Date Received: 08/18/93
Date Extracted: 08/23/93
Date Analyzed: 09/30/93
Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	960	U
11104-28-2	Aroclor-1221	960	U
11141-16-5	Aroclor-1232	960	U
53469-21-9	Aroclor-1242	960	U
12672-29-6	Aroclor-1248	960	U
11097-69-1	Aroclor-1254	7200	
11096-82-5	Aroclor-1260	3100	

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSTP4S

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL Lab Sample ID: 193996

Phase Weight: 30.3 (g) Date Received: 08/18/93

Injection Volume: 1.0 (uL) Date Extracted: 08/23/93

Dilution Factor: 50.0 Date Analyzed: 09/30/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	960	U
11104-28-2	Aroclor-1221	960	U
11141-16-5	Aroclor-1232	960	U
53469-21-9	Aroclor-1242	960	U
12672-29-6	Aroclor-1248	960	U
11097-69-1	Aroclor-1254	1600	
11096-82-5	Aroclor-1260	10000	

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS56S

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 39580

Phase Type: SOIL
Phase Weight: 30.0 (g)
Injection Volume: 1.0 (uL)
Dilution Factor: 10.0
% Solids: 93

Lab Sample ID: 197973
Date Received: 09/18/93
Date Extracted: 09/27/93
Date Analyzed: 10/09/93
Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	180	U
11097-69-1	Aroclor-1254	540	J
11096-82-5	Aroclor-1260	2300	J

BMM

Rev. 10/15/93 LTS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS57S

Lab Name: Aquatec, Inc.   Lab Code: AQUAI

Contract: 93208   Case: 93208   SDG: 39580

Phase Type: SOIL   Lab Sample ID: 197974

Phase Weight: 30.1 (g)   Date Received: 09/18/93

Injection Volume: 1.0 (uL)   Date Extracted: 09/27/93

Dilution Factor: 10.0   Date Analyzed: 10/09/93

% Solids: 92   Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
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	440	J
11096-82-5	Aroclor-1260	1200	J

AM

Rev. 10/15/93 LTS

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSMW7S

b Name: AQUATEC______ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184355____

Level (low/med): LOW__ Date Received: 05/19/93

% Solids: _83.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14800			P
7440-36-0	Antimony	8.6	B	~~N*~~ J	P
7440-38-2	Arsenic	6.4		~~N*~~ J	F
7440-39-3	Barium	96.5			P
7440-41-7	Beryllium	0.68	B		P
7440-43-9	Cadmium	0.53	B		P
7440-70-2	Calcium	21400		* J	P
7440-47-3	Chromium	22.4			P
7440-48-4	Cobalt	11.4	B		P
7440-50-8	Copper	22.0		~~*~~ J	P
7439-89-6	Iron	29100		*	P
7439-92-1	Lead	14.5			F
7439-95-4	Magnesium	4390			P
7439-96-5	Manganese	566			P
7439-97-6	Mercury	0.08	B	~~N~~ J	CV
7440-02-0	Nickel	37.9		~~N~~ J	P
7440-09-7	Potassium	1420			P
7782-49-2	Selenium	0.23	U	~~WN~~ J	F
7440-22-4	Silver	1.0	U	~~N*~~ J	P
7440-23-5	Sodium	120	U		P
7440-28-0	Thallium	0.54	U	~~W~~ J	F
7440-62-2	Vanadium	30.1			P
7440-66-6	Zinc	72.8			P
	Cyanide	0.72	U		C

JJS

Color Before: BROWN____ Clarity Before: ______ Texture: COARSE

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

Subsurface Soil

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPC12A

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix: (soil/water) SOIL Lab Sample ID: 191354

Sample wt/vol: 4.3 (g/mL) G Lab File ID: G191354E5V

Level: (low/med) MED Date Received: 07/31/93

% Moisture: not dec. 19 Date Analyzed: 08/05/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 20.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	28000	U
74-83-9	Bromomethane	28000	U
75-01-4	Vinyl Chloride	28000	U
75-00-3	Chloroethane	28000	U
75-09-2	Methylene Chloride	28000 ~~4000~~	~~BJ~~ U
67-64-1	Acetone	28000 ~~13000~~	~~BJ~~ U
75-15-0	Carbon Disulfide	28000	U
75-35-4	1,1-Dichloroethene	28000	U
75-34-3	1,1-Dichloroethane	28000	U
540-59-0	1,2-Dichloroethene (total)	28000	U
67-66-3	Chloroform	28000	U
107-06-2	1,2-Dichloroethane	28000	U
78-93-3	2-Butanone	28000 ~~10000~~	~~BJ~~ U
71-55-6	1,1,1-Trichloroethane	28000	U
56-23-5	Carbon Tetrachloride	28000	U
75-27-4	Bromodichloromethane	28000	U
78-87-5	1,2-Dichloropropane	28000	U
10061-01-5	cis-1,3-Dichloropropene	28000	U
79-01-6	Trichloroethene	28000	U
124-48-1	Dibromochloromethane	28000	U
79-00-5	1,1,2-Trichloroethane	28000	U
71-43-2	Benzene	18000	~~J~~ J
10061-02-6	trans-1,3-Dichloropropene	28000	U
75-25-2	Bromoform	28000	U
108-10-1	4-Methyl-2-Pentanone	28000	U
591-78-6	2-Hexanone	28000	U
127-18-4	Tetrachloroethene	28000	U
79-34-5	1,1,2,2-Tetrachloroethane	28000	U
108-88-3	Toluene	290000	J
108-90-7	Chlorobenzene	28000	U
100-41-4	Ethylbenzene	140000	J
100-42-5	Styrene	28000	U
1330-20-7	Xylene (total)	720000	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPC12A

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38320

Matrix: (soil/water) SOIL   Lab Sample ID: 191354

Sample wt/vol: 4.3 (g/mL) G   Lab File ID: G191354E5V

Level: (low/med) MED   Date Received: 07/31/93

% Moisture: not dec. 19   Date Analyzed: 08/05/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 20.0

Soil Extract Volume: 10000 (uL)   Soil Aliquot Volume: 100 (uL)

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 589-34-4	HEXANE, 3-METHYL-	23.25	140000	JXN
2. 591-76-4	HEXANE, 2-METHYL-	23.80	120000	JXN
3.	UNKNOWN C9H20 ALKANE	24.55	190000	JX
4. 142-82-5	HEPTANE W/TCL#33	25.35	480000	JXNZ
5. 589-81-1	HEPTANE, 3-METHYL-	28.50	110000	JXN
6. 592-27-8	HEPTANE, 2-METHYL-	29.00	93000	JXN
7. 111-65-9	OCTANE	30.45	120000	JXN
8. 103-65-1	BENZENE, PROPYL- W/UNKNOWN A	33.55	82000	JXNZ
9.	UNKNOWN ETHYLMETHYLBENZENE	35.75	190000	JX
10.	UNKNOWN ETHYLMETHYLBENZENE	36.65	95000	JX

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPC12A

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix: (soil/water) SOIL Lab Sample ID: 191354

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B191354S

Level: (low/med) LOW Date Received: 07/31/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 08/04/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/06/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	20000 ~~19000~~	~~E~~ J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	20000 ~~19000~~	~~E~~ J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	190	J J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPC12A

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix: (soil/water) SOIL Lab Sample ID: 191354

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B191354S

Level: (low/med) LOW Date Received: 07/31/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 08/04/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/06/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	110	J J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	240	J J
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	850	J
120-12-7	Anthracene	240	J J
86-74-8	Carbazole	130	J J
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	620	
129-00-0	Pyrene	410	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	230	J J
218-01-9	Chrysene	200	J J
117-81-7	bis(2-Ethylhexyl)Phthalate	75	J J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	130	J J
207-08-9	Benzo(k)Fluoranthene	110	J J
50-32-8	Benzo(a)Pyrene	110	J J
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPC12A

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix: (soil/water) SOIL Lab Sample ID: 191354

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B191354S

Level: (low/med) LOW Date Received: 07/31/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 08/04/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/06/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	103-65-1	BENZENE, PROPYL-	13.97	7900	JXN
2.	620-14-4	BENZENE, 1-ETHYL-3-METHYL-	14.28	28000	JXNS
3.	622-96-8	BENZENE, 1-ETHYL-4-METHYL-	14.33	28000	JXNS
4.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	14.52	19000	JXN
5.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	14.85	14000	JXN
6.	124-18-5	DECANE	15.33	12000	JXNS
7.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	15.38	24000	JXNS
8.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	16.15	15000	JXN
9.	496-11-7	1H-INDENE, 2,3-DIHYDRO-	16.53	9000	JXN
10.		UNKNOWN METHYLPROPYLBENZENE	16.90	10000	JX
11.		UNKNOWN C4-ALKYLBENZENE	17.08	14000	JX
12.		UNKNOWN ETHYLDIMETHYLBENZENE	17.58	12000	JX
13.		UNKNOWN ETHYLDIMETHYLBENZENE	17.82	16000	JX
14.	1120-21-4	UNDECANE W/ AROMATIC	17.93	7100	JXNZ
15.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	18.58	8400	JXN
16.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	18.70	14000	JXN
17.	874-35-1	1H-INDENE, 2,3-DIHYDRO-5-MET	19.18	12000	JXN
18.	824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	19.47	12000	JXN
19.	488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	19.50	8800	JXN
20.	90-12-0	NAPHTHALENE, 1-METHYL-	23.07	11000	JXN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPC12ADL

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix: (soil/water) SOIL Lab Sample ID: 19135401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B191354D2S

Level: (low/med) LOW Date Received: 07/31/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 08/04/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/06/93

Injection Volume: 2.0(uL) Dilution Factor: 8.3

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3200	U
111-44-4	bis(2-Chloroethyl)Ether	3200	U
95-57-8	2-Chlorophenol	3200	U
541-73-1	1,3-Dichlorobenzene	3200	U
106-46-7	1,4-Dichlorobenzene	3200	U
95-50-1	1,2-Dichlorobenzene	3200	U
95-48-7	2-Methylphenol	3200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3200	U
106-44-5	4-Methylphenol	3200	U
621-64-7	N-Nitroso-Di-n-Propylamine	3200	U
67-72-1	Hexachloroethane	3200	U
98-95-3	Nitrobenzene	3200	U
78-59-1	Isophorone	3200	U
88-75-5	2-Nitrophenol	3200	U
105-67-9	2,4-Dimethylphenol	3200	U
111-91-1	bis(2-Chloroethoxy)Methane	3200	U
120-83-2	2,4-Dichlorophenol	3200	U
120-82-1	1,2,4-Trichlorobenzene	3200	U
91-20-3	Naphthalene	20000	D
106-47-8	4-Chloroaniline	3200	U
87-68-3	Hexachlorobutadiene	3200	U
59-50-7	4-Chloro-3-Methylphenol	3200	U
91-57-6	2-Methylnaphthalene	20000	D
77-47-4	Hexachlorocyclopentadiene	3200	U
88-06-2	2,4,6-Trichlorophenol	3200	U
95-95-4	2,4,5-Trichlorophenol	7800	U
91-58-7	2-Chloronaphthalene	3200	U
88-74-4	2-Nitroaniline	7800	U
131-11-3	Dimethylphthalate	3200	U
208-96-8	Acenaphthylene	3200	U
606-20-2	2,6-Dinitrotoluene	3200	U
99-09-2	3-Nitroaniline	7800	U
83-32-9	Acenaphthene	3200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPC12ADL

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38320

Matrix: (soil/water) SOIL   Lab Sample ID: 191354D1

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B191354D2S

Level: (low/med) LOW   Date Received: 07/31/93

% Moisture: 15   decanted: (Y/N) N   Date Extracted: 08/04/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 08/06/93

Injection Volume: 2.0(uL)   Dilution Factor: 8.3

GPC Cleanup: (Y/N) Y   pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	7800	U
100-02-7	4-Nitrophenol	7800	U
132-64-9	Dibenzofuran	3200	U
121-14-2	2,4-Dinitrotoluene	3200	U
84-66-2	Diethylphthalate	3200	U
7005-72-3	4-Chlorophenyl-phenylether	3200	U
86-73-7	Fluorene	3200	U
100-01-6	4-Nitroaniline	7800	U
534-52-1	4,6-Dinitro-2-methylphenol	7800	U
86-30-6	N-Nitrosodiphenylamine (1)	3200	U
101-55-3	4-Bromophenyl-phenylether	3200	U
118-74-1	Hexachlorobenzene	3200	U
87-86-5	Pentachlorophenol	7800	U
85-01-8	Phenanthrene	800	DJ
120-12-7	Anthracene	3200	U
86-74-8	Carbazole	3200	U
84-74-2	Di-n-Butylphthalate	3200	U
206-44-0	Fluoranthene	530	DJ
129-00-0	Pyrene	370	DJ
85-68-7	Butylbenzylphthalate	3200	U
91-94-1	3,3'-Dichlorobenzidine	3200	U
56-55-3	Benzo(a)Anthracene	3200	U
218-01-9	Chrysene	3200	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3200	U
117-84-0	Di-n-Octyl Phthalate	3200	U
205-99-2	Benzo(b)Fluoranthene	3200	U
207-08-9	Benzo(k)Fluoranthene	3200	U
50-32-8	Benzo(a)Pyrene	3200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	3200	U
53-70-3	Dibenz(a,h)Anthracene	3200	U
191-24-2	Benzo(g,h,i)Perylene	3200	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPC12ADL

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38320

Matrix: (soil/water) SOIL   Lab Sample ID: 191354D1

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B191354D2S

Level: (low/med) LOW   Date Received: 07/31/93

% Moisture: 15   decanted: (Y/N) N   Date Extracted: 08/04/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 08/06/93

Injection Volume: 2.0(uL)   Dilution Factor: 8.3

GPC Cleanup: (Y/N) Y   pH: 8.0

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~9.20~~	~~15000~~	~~BDJNA~~
2.	103-65-1	BENZENE, PROPYL-	13.82	22000	JXND
3.	620-14-4	BENZENE, 1-ETHYL-3-METHYL-	14.12	67000	JXND
4.	622-96-8	BENZENE, 1-ETHYL-4-METHYL-	14.17	30000	JXND
5.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	14.32	42000	JXND
6.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	14.70	29000	JXND
7.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	15.17	89000	JXND
8.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	16.00	36000	JXND
9.	496-11-7	1H-INDENE, 2,3-DIHYDRO-	16.40	18000	JXND
10.		UNKNOWN METHYLPROPYLBENZENE	16.75	33000	JXD
11.		UNKNOWN METHYLPROPYLBENZENE	16.85	16000	JXD
12.		UNKNOWN C4-ALKYLBENZENE	16.93	35000	JXD
13.		UNKNOWN METHYLPROPYLBENZENE	17.18	12000	JXD
14.		UNKNOWN ETHYLDIMETHYLBENZENE	17.45	21000	JXD
15.		UNKNOWN ETHYLDIMETHYLBENZENE	17.50	21000	JXD
16.		UNKNOWN ETHYLDIMETHYLBENZENE	17.67	37000	JXD
17.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	18.45	19000	JXND
18.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	18.57	27000	JXND
19.	874-35-1	1H-INDENE, 2,3-DIHYDRO-5-MET	19.07	15000	JXND
20.	824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	19.35	15000	JXND
21.	90-12-0	NAPHTHALENE, 1-METHYL-	22.97	13000	JXND

R

PP

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPC12A

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 38320

Phase Type: Soil Lab Sample ID: 191354

Phase Weight: 30.4 (g) Date Received: 07/31/93

Injection Volume: 1.0 (uL) Date Extracted: 08/04/93

Dilution Factor: 1.0 Date Analyzed: 08/09/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	20	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	20	U
53469-21-9	Aroclor-1242	20	U
12672-29-6	Aroclor-1248	20	U
11097-69-1	Aroclor-1254	20	U
11096-82-5	Aroclor-1260	20	U

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TPC12A

Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix (soil/water): SOIL Lab Sample ID: 191354

Level (low/med): LOW Date Received: 07/31/93

% Solids: 85.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17800		J	P
7440-36-0	Antimony	6.9	U	J	P
7440-38-2	Arsenic	7.0		J	F
7440-39-3	Barium	133		J	P
7440-41-7	Beryllium	0.84		J	P
7440-43-9	Cadmium	0.92		J	P
7440-70-2	Calcium	4190		J	P
7440-47-3	Chromium	25.4		J	P
7440-48-4	Cobalt	13.2		J	P
7440-50-8	Copper	20.9		J	P
7439-89-6	Iron	28300		J	P
7439-92-1	Lead	14.7		J	F
7439-95-4	Magnesium	5510		J	P
7439-96-5	Manganese	511		J	P
7439-97-6	Mercury	0.06	B	J	CV
7440-02-0	Nickel	37.4		J	P
7440-09-7	Potassium	3000		J	P
7782-49-2	Selenium	0.12	U	W J	F
7440-22-4	Silver	0.76	U	J	P
7440-23-5	Sodium	130	U		P
7440-28-0	Thallium	0.31	U	J	F
7440-62-2	Vanadium	37.1		J	P
7440-66-6	Zinc	63.0		J	P
	Cyanide	0.09	U	J	C

olor Before: BROWN Clarity Before: Texture: MEDIUM

olor After: YELLOW Clarity After: CLEAR Artifacts:

omments:

FORM I - IN

ILMO2.1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB3

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix: (soil/water) WATER Lab Sample ID: 191353

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: G191353V

Level: (low/med) LOW Date Received: 07/31/93

% Moisture: not dec. Date Analyzed: 08/04/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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	10 ~~3~~	~~BJ~~ U
67-64-1	Acetone	10 ~~4~~	~~BJ~~ U
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	3	J J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	3	J J
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.

TB3

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38320

Matrix: (soil/water) WATER Lab Sample ID: 191353

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: G191353V

Level: (low/med) LOW Date Received: 07/31/93

% Moisture: not dec. Date Analyzed: 08/04/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC 3/90

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP1S

Lab Name: AQUATEC INC   Contract: 93208

Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184888

Sample wt/vol: 5.0 (g/mL) G   Lab File ID: G184888V

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: not dec. 19   Date Analyzed: 05/27/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

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

JBD

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP1S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184888

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184888V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 19 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP1S

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184888

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184888S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP1S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184888

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: K184888S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 19   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	53	J
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	25	J
86-74-8	Carbazole	410	U
84-74-2	Di-n-Butylphthalate	410 ~~170~~	~~J~~ u
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	93	J
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)Phthalate	410 ~~200~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	110	J
207-08-9	Benzo(k)Fluoranthene	100	J
50-32-8	Benzo(a)Pyrene	89	J
193-39-5	Indeno(1,2,3-cd)Pyrene	56	J
53-70-3	Dibenz(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	41	J

(1) - Cannot be separated from Diphenylamine

JBD

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP1S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184888

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: K184888S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 19 decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.8

Number TICs found: 21   CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.68~~	~~6500~~	~~BJXNA~~
2.	UNKNOWN ALIPHATIC	29.30	360	JX
3. 57-10-3	HEXADECANOIC ACID	33.03	440	JXN
4. 57-11-4	OCTADECANOIC ACID	35.60	190	JXN
5. 638-67-5	~~TRICOSANE~~ Unknown alkane	37.23	180	JX~~N~~
6. 72-54-8	P,P'-DDD	37.63	160	JXN
7.	UNKNOWN HEXANEDIOATE	38.43	8000	JXB
8. 50-29-3	P,P-DDT W/ BISBENZENE DERIVA	38.60	180	JXNZ
9.	UNKNOWN DICHLOROCOMPOUND	38.77	140	JX
10. 78-42-2	PHOSPHORIC ACID, TRIS(2-ETHY	39.17	1000	JXN
11. 629-99-2	~~PENTACOSANE~~ Unknown alkane	39.43	530	JX~~N~~
12. 630-01-3	~~HEXACOSANE~~ Unknown alkane	40.48	330	JX~~N~~
13. 593-49-7	HEPTACOSANE	41.53	700	JN
14. 630-02-4	~~OCTACOSANE~~ Unknown alkane	42.62	370	JX~~N~~
15.	UNKNOWN ALKANAL	43.18	450	JX
16. 630-03-5	~~NONACOSANE~~ Unknown alkane	43.87	840	JX~~N~~
17.	UNKNOWN ALIPHATIC ALCOHOL W/	43.95	440	JXZ
18. 123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~44.93~~	~~620~~	~~JXNY~~
19. 638-68-6	TRIACONTANE	45.30	320	JXN
20.	UNKNOWN ALKANAL	46.08	150	JX
21.	UNKNOWN ~~C31~~ ALKANE	46.95	810	JX

JBB

FORM I SV-TIC   3/90

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP1S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184888

Phase Weight: 30.2 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/12/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP1S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix (soil/water): SOIL Lab Sample ID: 184888

Level (low/med): LOW Date Received: 05/26/93

% Solids: 80.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16200			P
7440-36-0	Antimony	52.6		~~N~~ J	P
7440-38-2	Arsenic	11.3		~~N~~ J	F
7440-39-3	Barium	187			P
7440-41-7	Beryllium	0.91	B		P
7440-43-9	Cadmium	1.9			P
7440-70-2	Calcium	14000		~~*~~ J	P
7440-47-3	Chromium	50.0		~~N~~ J	P
7440-48-4	Cobalt	12.3			P
7440-50-8	Copper	80.0			P
7439-89-6	Iron	35400			P
7439-92-1	Lead	186		~~N*~~ J	P
7439-95-4	Magnesium	4220			P
7439-96-5	Manganese	782			P
7439-97-6	Mercury	0.14		~~N~~ J	CV
7440-02-0	Nickel	78.5		*	P
7440-09-7	Potassium	2190			P
7782-49-2	Selenium	0.41	B	~~WN~~ J	F
7440-22-4	Silver	0.91	U	~~N~~ J	P
7440-23-5	Sodium	108	U		P
7440-28-0	Thallium	0.74	U	~~W~~ J	F
7440-62-2	Vanadium	33.5			P
7440-66-6	Zinc	261		N* J	P
	Cyanide	0.74	U		C

JBD

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP2S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184889

Phase Weight: 30.3 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/12/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP3S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184890

Phase Weight: 30.1 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/12/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	100	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184891

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184891V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 10 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~3~~	~~BJ~~ U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-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
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	~~U~~ UJ
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Xylene (total)	11	U

JBB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP4S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184891

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184891V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 10 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184891

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: K184891S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 11   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 9.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184891

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184891S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370 ~~38~~	~~J~~ u
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	370 ~~21~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP4S

) Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184891

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K184891S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

Number TICs found: 11

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.68~~	~~5800~~	~~BJXNA~~
2.		UNKNOWN ALIPHATIC	29.28	97	JX
3.		UNKNOWN TRICHLOROBIPHENYL	32.58	82	JX
4.	57-10-3	HEXADECANOIC ACID	33.02	160	JXN
5.	112-92-5	1-OCTADECANOL	34.70	100	JXN
6.	629-96-9	1-EICOSANOL	37.13	120	JXN
7.		UNKNOWN HEXANEDIOATE	38.42	9200	JXB
8.	661-19-8	1-DOCOSANOL	39.40	200	JXN
9.		UNKNOWN	43.18	120	JXY
10.		UNKNOWN ALIPHATIC HYDROCARBO	43.83	86	JX
11.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~44.97~~	~~450~~	~~JXNY~~

255

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. _____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184891

Phase Weight: 30.2 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/12/93

% Solids: 89 Sulfur Clean-up: N (Y/N)

pH: 9.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	~~U~~ UJ
12672-29-6	Aroclor-1248	320	
11097-69-1	Aroclor-1254	140	
11096-82-5	Aroclor-1260	85	

JBB

FORM I HCA

Rev. 9/88

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP4S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix (soil/water): SOIL Lab Sample ID: 184891

Level (low/med): LOW Date Received: 05/26/93

% Solids: 88.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6900			P
7440-36-0	Antimony	7.4	B	~~N~~ J	P
7440-38-2	Arsenic	6.9		~~N~~ J	F
7440-39-3	Barium	67.3			P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	1.8			P
7440-70-2	Calcium	126000		~~*~~ J	P
7440-47-3	Chromium	11.4		~~N~~ J	P
7440-48-4	Cobalt	5.8	B		P
7440-50-8	Copper	101			P
7439-89-6	Iron	18100			P
7439-92-1	Lead	110		~~N*~~ J	P
7439-95-4	Magnesium	2910			P
7439-96-5	Manganese	377			P
7439-97-6	Mercury	0.05	B	~~N~~ J	CV
7440-02-0	Nickel	21.6		*	P
7440-09-7	Potassium	965			P
7782-49-2	Selenium	0.18	U	~~WN~~ J	F
7440-22-4	Silver	0.80	U	~~N~~ J	P
7440-23-5	Sodium	103	B		P
7440-28-0	Thallium	0.42	U	~~W~~ J	F
7440-62-2	Vanadium	16.6			P
7440-66-6	Zinc	242		~~N*~~ J	P
	Cyanide	0.67	U		C

JOD

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP5S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184892

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/12/93

% Solids: 82 Sulfur Clean-up: N (Y/N)

pH: 8.8

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

FORM I HCA

Rev. 9/88

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AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP6S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil

Lab Sample ID: 184893

Phase Weight: 30.0 (g)

Date Received: 05/26/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/27/93

Dilution Factor: 1.0

Date Analyzed: 06/13/93

% Solids: 80

Sulfur Clean-up: N (Y/N)

pH: 8.7

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	500	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP7S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184894

Phase Weight: 30.1 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 5.0 Date Analyzed: 06/13/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	180	~~U~~ UJ
12672-29-6	Aroclor-1248	1900	
11097-69-1	Aroclor-1254	1200	
11096-82-5	Aroclor-1260	530	

JBG

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Rev. 9/88

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP8S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184895

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184895V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 26 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14 ~~4~~	~~BJ~~ u
67-64-1	Acetone	14 ~~4~~	~~BJ~~ u
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	~~U~~ UJ
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1B0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP8S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184895

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184895V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 26 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP8S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184895

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184895I4S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/21/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP8S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184895

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: B184895I4S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 26 decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/21/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	~~U~~ UJ
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-Butylphthalate	440 ~~1500~~	~~B~~ u
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	81	J
218-01-9	Chrysene	120	J
117-81-7	bis(2-Ethylhexyl)Phthalate	440 ~~84~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	180	J
207-08-9	Benzo(k)Fluoranthene	440	U
50-32-8	Benzo(a)Pyrene	100	J
193-39-5	Indeno(1,2,3-cd)Pyrene	66	J
53-70-3	Dibenz(a,h)Anthracene	440	U
191-24-2	Benzo(g,h,i)Perylene	58	J

JDB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP8S

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184895

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: B184895I4S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 26   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/21/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.3

Number TICs found: 21   CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.32~~	~~9400~~	~~BJXNA~~
2.		UNKNOWN ALIPHATIC	25.38	1100	JX
3.		UNKNOWN ALIPHATIC	25.73	610	JX
4.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.90	840	JXN
5.	57-10-3	HEXADECANOIC ACID	29.55	700	JXN
6.		~~UNKNOWN HEXANEDIOATE~~	~~34.85~~	~~7800~~	~~JXB~~ R
7.	78-42-2	PHOSPHORIC ACID, TRIS(2-ETHY	35.65	770	JXN
8.	629-99-2	~~PENTACOSANE~~ unknown alkane	35.88	720	JX~~N~~
9.	593-49-7	HEPTACOSANE	37.92	920	JXN
10.	630-02-4	~~OCTACOSANE~~ unknown alkane	38.88	970	BJX~~N~~
11.		UNKNOWN ALIPHATIC ALDEHYDE	39.28	2400	JXZ
12.	630-03-5	~~NONACOSANE~~ unknown alkane	39.83	6600	BJX~~N~~
13.		UNKNOWN ALIPHATIC ALCOHOL	39.92	2900	JX
14.	638-68-6	TRIACONTANE	40.73	650	JXN
15.		UNKNOWN ALIPHATIC ALDEHYDE	41.15	920	JX
16.		UNKNOWN ~~C31~~ ALKANE	41.60	3500	JX
17.		UNKNOWN ALKENE	41.77	660	JX
18.		UNKNOWN ALKANAL	42.92	700	JX
19.		UNKNOWN ~~C33~~ ALKANE	43.37	770	JX
20.		UNKNOWN SITOSTEROL	44.30	650	JX
21.		UNKNOWN POLYTERPENE DERIVATI	47.40	2200	JX

JBD

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP8S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184895

Phase Weight: 30.3 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/13/93

% Solids: 74 Sulfur Clean-up: N (Y/N)

pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	41	U
11104-28-2	------Aroclor-1221	41	U
11141-16-5	------Aroclor-1232	41	U
53469-21-9	------Aroclor-1242	41	U
12672-29-6	------Aroclor-1248	41	J
11097-69-1	------Aroclor-1254	140	
11096-82-5	------Aroclor-1260	110	

JBB

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP8S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36905_

Matrix (soil/water): SOIL_ Lab Sample ID: 184895

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _74.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9390			P
7440-36-0	Antimony	129		~~N~~ J	P
7440-38-2	Arsenic	81.8		~~N~~ J	F
7440-39-3	Barium	886			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	47.2			P
7440-70-2	Calcium	15700		~~*~~ J	P
7440-47-3	Chromium	97.5		~~N~~ J	P
7440-48-4	Cobalt	14.2			P
7440-50-8	Copper	6780			P
7439-89-6	Iron	70400			P
7439-92-1	Lead	1010		~~N*~~ J	P
7439-95-4	Magnesium	2640			P
7439-96-5	Manganese	871			P
7439-97-6	Mercury	0.28		~~N~~ J	CV
7440-02-0	Nickel	50.1		*	P
7440-09-7	Potassium	1630			P
7782-49-2	Selenium	0.33	U	~~WN~~ J	F
7440-22-4	Silver	1.9	B	~~N~~ J	P
7440-23-5	Sodium	121	U		P
7440-28-0	Thallium	0.76	U		F
7440-62-2	Vanadium	19.9			P
7440-66-6	Zinc	1930		~~N*~~ J	P
	Cyanide	5.9			C

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: YES

Comments:
METAL_PIECES_WERE_PRESENT.

FORM I - IN

ILM02.1

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP9S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184637

Phase Weight: 30.0 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 5.0 Date Analyzed: 06/09/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	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	190	U
11096-82-5	Aroclor-1260	910	

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP10S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184638

Phase Weight: 30.0 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 1.0 Date Analyzed: 06/09/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	50	
11096-82-5	Aroclor-1260	420	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP11S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184639

Phase Weight: 30.2 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 1.0 Date Analyzed: 06/09/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

pH: 8.7

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	160	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP12S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184896

Sample wt/vol: 5.0 (g/mL) G   Lab File ID: G184896V

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: not dec. 15   Date Analyzed: 05/27/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

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

JBB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP12S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184896

Sample wt/vol: 5.0 (g/mL) G   Lab File ID: G184896V

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: not dec. 15   Date Analyzed: 05/27/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC   3/90

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP12S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184896

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: K184896S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 11   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	24	J
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP12S

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184896

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184896S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	63	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370 ~~84~~	~~J~~ u
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	71	J
218-01-9	Chrysene	83	J
117-81-7	bis(2-Ethylhexyl)Phthalate	370 ~~270~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	120	J
207-08-9	Benzo(k)Fluoranthene	68	J
50-32-8	Benzo(a)Pyrene	82	J
193-39-5	Indeno(1,2,3-cd)Pyrene	66	J
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	49	J

JSO

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP12S

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184896

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K184896S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 11 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

Number TICs found: 19

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~10.68~~	~~6700~~	~~BJXNA~~
2.		UNKNOWN ALIPHATIC	29.05	97	JX
3.		UNKNOWN ALIPHATIC	29.32	220	J
4.	2091-29-4	9-HEXADECENOIC ACID	32.95	200	JXN
5.	57-10-3	HEXADECANOIC ACID	33.05	430	JXN
6.		UNKNOWN ALIPHATIC	35.38	82	JX
7.		~~UNKNOWN HEXANEDIOATE~~	~~38.43~~	~~160~~	~~JXB~~ R
8.		UNKNOWN ALKANAL W/ HEXACHLOR	38.77	160	JXZ
9.		UNKNOWN ALIPHATIC	39.43	240	JX
10.	593-49-7	HEPTACOSANE	41.53	370	JXN
11.		UNKNOWN ALIPHATIC	43.02	170	JX
12.		UNKNOWN ALKANAL W/ SEPTUM BL	43.20	290	JXZ
13.	630-03-5	~~NONACOSANE~~ Unknown alkane	43.88	480	JX~~N~~
14.		UNKNOWN ALIPHATIC	44.15	520	JX
15.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~44.93~~	~~79~~	~~JXNY~~
16.	192-97-2	BENZO[E]PYRENE	45.10	86	JXN
17.		UNKNOWN ~~C31~~ ALKANE	46.97	500	JX
18.		UNKNOWN POLYCYCLIC HYDROCARB	50.15	90	JX
19.		UNKNOWN ~~C33~~ ALKANE	51.30	90	JX

JBS

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP12S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184896

Phase Weight: 30.3 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/13/93

% Solids: 89 Sulfur Clean-up: N (Y/N)

pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	55	NJ
11097-69-1	Aroclor-1254	97	J
11096-82-5	Aroclor-1260	130	

JBB

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP12S

Lab Name: AQUATEC_______________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36905_

Matrix (soil/water): SOIL_ Lab Sample ID: 184896____

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _88.6

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	9.8	B	~~N~~ J	P
7440-38-2	Arsenic	8.8		~~N~~ J	F
7440-39-3	Barium	104			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	3.6			P
7440-70-2	Calcium	36900		~~*~~ J	P
7440-47-3	Chromium	89.2		~~N~~ J	P
7440-48-4	Cobalt	9.3			P
7440-50-8	Copper	191			P
7439-89-6	Iron	33200			P
7439-92-1	Lead	164		~~N*~~ J	P
7439-95-4	Magnesium	4010			P
7439-96-5	Manganese	510			P
7439-97-6	Mercury	0.19		~~N~~ J	CV
7440-02-0	Nickel	44.9		*	P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	0.27	U	~~WN~~ J	F
7440-22-4	Silver	0.72	U	~~N~~ J	P
7440-23-5	Sodium	86.2	U		P
7440-28-0	Thallium	0.62	U	~~W~~ J	F
7440-62-2	Vanadium	27.9			P
7440-66-6	Zinc	307		~~N*~~ J	P
	Cyanide	1.7			C

JBO

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP13S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184897

Sample wt/vol: 5.0 (g/mL) G   Lab File ID: G184897V

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: not dec. 15   Date Analyzed: 05/27/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

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

JBB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP13S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184897

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184897V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 15 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP13S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184897

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: B184897D3S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 14   decanted: (Y/N) N   Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/21/93

Injection Volume: 2.0(uL)   Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y   pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)Ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-Di-n-Propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
111-91-1	bis(2-Chloroethoxy)Methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	1500	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-Methylphenol	1500	U
91-57-6	2-Methylnaphthalene	1500	U
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1500	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP13S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184897

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184897D3S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/21/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	1500	U
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1500	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3700	~~U~~ UJ
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	1500	U
86-74-8	Carbazole	1500	U
84-74-2	Di-n-Butylphthalate	1500	U
206-44-0	Fluoranthene	290	J
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	200	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1500 ~~600~~	~~J~~ u
117-84-0	Di-n-Octyl Phthalate	1500	U
205-99-2	Benzo(b)Fluoranthene	200	J
207-08-9	Benzo(k)Fluoranthene	210	J
50-32-8	Benzo(a)Pyrene	190	J
193-39-5	Indeno(1,2,3-cd)Pyrene	1500	U
53-70-3	Dibenz(a,h)Anthracene	1500	U
191-24-2	Benzo(g,h,i)Perylene	1500	U

(1) - Cannot be separated from Diphenylamine

JBD

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP13S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184897

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184897D3S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/27/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/21/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 21

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.15~~	~~24000~~	~~BJXNA~~	
2.		UNKNOWN SESQUITERPENE	22.17	700	JX	
3.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.90	1300	JXN	
4.	638-36-8	HEXADECANE, 2,6,10,14-TETRAM	27.42	1100	JXN	
5.		UNKNOWN TRICHLOROBIPHENYL	27.87	1100	JX	
6.		UNKNOWN ALKANE W/ PCB	28.58	1100	JXZ	
7.		UNKNOWN TRICHLOROBIPHENYL	28.65	1200	JX	
8.		UNKNOWN TRICHLOROBIPHENYL	28.92	760	JX	
9.		UNKNOWN TETRACHLOROBIPHENYL	29.57	1800	JX	
10.		UNKNOWN ALKANE	30.00	700	JX	
11.		UNKNOWN TETRACHLOROBIPHENYL	30.15	630	JX	
12.		UNKNOWN TETRACHLOROBIPHENYL	30.48	730	JX	
13.		UNKNOWN	30.82	650	JX	
14.	593-49-7	HEPTACOSANE	37.90	1100	JXN	
15.	630-02-4	~~OCTACOSANE~~	~~38.88~~	~~1000~~	~~BJXN~~	R
16.		~~UNKNOWN~~	~~39.27~~	~~1200~~	~~JXY~~	R
17.	630-03-5	~~NONACOSANE~~ Unknown alkane	39.82	2300	BJX~~N~~	
18.		UNKNOWN ~~C31~~ ALKANE	41.60	1700	JX	
19.		UNKNOWN	41.85	960	JX	
20.		UNKNOWN POLYCYCLIC HYDROCARB	42.62	1200	JX	
21.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.45~~	~~1800~~	~~BJXN~~	

JBB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP13S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184897

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 5.0 Date Analyzed: 06/25/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	180	U
53469-21-9	Aroclor-1242	15000 ~~16000~~	~~X~~ D
12672-29-6	Aroclor-1248	180	U
11097-69-1	Aroclor-1254	540	J
11096-82-5	Aroclor-1260	450	

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP13SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184897D1

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 50.0 Date Analyzed: 06/25/93

% Solids: 86 Sulfur Clean-up: N (Y/N)

pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	1800	U
11104-28-2	------Aroclor-1221	1800	U
11141-16-5	------Aroclor-1232	1800	U
53469-21-9	------Aroclor-1242	15000	D
12672-29-6	------Aroclor-1248	1800	U
11097-69-1	------Aroclor-1254	1800	U
11096-82-5	------Aroclor-1260	1800	U

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP13S

b Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36905_

Matrix (soil/water): SOIL_ Lab Sample ID: 184897____

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _86.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16100			P
7440-36-0	Antimony	5.7	U	~~N~~ J	P
7440-38-2	Arsenic	12.8		~~N~~ J	F
7440-39-3	Barium	123			P
7440-41-7	Beryllium	0.92	B		P
7440-43-9	Cadmium	0.87	B		P
7440-70-2	Calcium	11000		~~*~~ J	P
7440-47-3	Chromium	22.4		~~N~~ J	P
7440-48-4	Cobalt	10.1	B		P
7440-50-8	Copper	174			P
7439-89-6	Iron	33700			P
7439-92-1	Lead	108		~~N*~~ J	P
7439-95-4	Magnesium	3910			P
7439-96-5	Manganese	731			P
7439-97-6	Mercury	0.83		~~N~~ J	CV
7440-02-0	Nickel	41.9		*	P
7440-09-7	Potassium	1390			P
7782-49-2	Selenium	0.25	U	~~WN~~ J	F
7440-22-4	Silver	0.89	U	~~N~~ J	P
7440-23-5	Sodium	106	U		P
7440-28-0	Thallium	0.58	U	~~W~~ J	F
7440-62-2	Vanadium	37.6			P
7440-66-6	Zinc	152		~~N*~~ J	P
	Cyanide	0.66	U		C

JB B

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILMO2.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP14S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184640

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184640V

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: not dec. 11 Date Analyzed: 05/25/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~2~~	~~BJ~~ U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-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
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	~~U~~ UJ
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Xylene (total)	11	U

JBG

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: TP14S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184640

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184640V

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: not dec. 11 Date Analyzed: 05/25/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 281-23-2	TRICYCLO[3.3.1.13,7]DECANE	25.25	9	JXN
2.	UNKNOWN	32.70	6	JX
3.	UNKNOWN OXYGENATED AROMATIC	33.70	17	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP14S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184640

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H184640S

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3900	U
111-44-4	bis(2-Chloroethyl)Ether	3900	U
95-57-8	2-Chlorophenol	3900	U
541-73-1	1,3-Dichlorobenzene	3900	U
106-46-7	1,4-Dichlorobenzene	3900	U
95-50-1	1,2-Dichlorobenzene	3900	U
95-48-7	2-Methylphenol	3900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3900	U
106-44-5	4-Methylphenol	3900	U
621-64-7	N-Nitroso-Di-n-Propylamine	3900	U
67-72-1	Hexachloroethane	3900	U
98-95-3	Nitrobenzene	3900	U
78-59-1	Isophorone	3900	U
88-75-5	2-Nitrophenol	3900	U
105-67-9	2,4-Dimethylphenol	3900	U
111-91-1	bis(2-Chloroethoxy)Methane	3900	U
120-83-2	2,4-Dichlorophenol	3900	U
120-82-1	1,2,4-Trichlorobenzene	3900	U
91-20-3	Naphthalene	3900	U
106-47-8	4-Chloroaniline	3900	U
87-68-3	Hexachlorobutadiene	3900	U
59-50-7	4-Chloro-3-Methylphenol	3900	U
91-57-6	2-Methylnaphthalene	3900	U
77-47-4	Hexachlorocyclopentadiene	3900	U
88-06-2	2,4,6-Trichlorophenol	3900	U
95-95-4	2,4,5-Trichlorophenol	9400	U
91-58-7	2-Chloronaphthalene	3900	U
88-74-4	2-Nitroaniline	9400	U
131-11-3	Dimethylphthalate	3900	U
208-96-8	Acenaphthylene	3900	U
606-20-2	2,6-Dinitrotoluene	3900	U
99-09-2	3-Nitroaniline	9400	U
83-32-9	Acenaphthene	3900	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP14S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184640

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H184640S

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9400	U
100-02-7	4-Nitrophenol	9400	U
132-64-9	Dibenzofuran	3900	U
121-14-2	2,4-Dinitrotoluene	3900	U
84-66-2	Diethylphthalate	3900	U
7005-72-3	4-Chlorophenyl-phenylether	3900	U
86-73-7	Fluorene	3900	U
100-01-6	4-Nitroaniline	9400	U
534-52-1	4,6-Dinitro-2-methylphenol	9400	U
86-30-6	N-Nitrosodiphenylamine (1)	3900	U
101-55-3	4-Bromophenyl-phenylether	3900	U
118-74-1	Hexachlorobenzene	3900	U
87-86-5	Pentachlorophenol	9400	U
85-01-8	Phenanthrene	3900	U
120-12-7	Anthracene	3900	U
86-74-8	Carbazole	3900	U
84-74-2	Di-n-Butylphthalate	3900	U
206-44-0	Fluoranthene	3900	U
129-00-0	Pyrene	3900	U
85-68-7	Butylbenzylphthalate	3900	U
91-94-1	3,3'-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)Anthracene	3900	U
218-01-9	Chrysene	3900	U
117-81-7	bis(2-Ethylhexyl)Phthalate	3900	U
117-84-0	Di-n-Octyl Phthalate	3900	U
205-99-2	Benzo(b)Fluoranthene	3900	U
207-08-9	Benzo(k)Fluoranthene	3900	~~U~~ UJ
50-32-8	Benzo(a)Pyrene	3900	U
193-39-5	Indeno(1,2,3-cd)Pyrene	3900	U
53-70-3	Dibenz(a,h)Anthracene	3900	U
191-24-2	Benzo(g,h,i)Perylene	3900	U

JOB

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP14S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184640

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H184640S

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.1

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~3.98~~	~~44000~~	~~BJXNA~~
2.	UNKNOWN SESQUITERPENE	20.80	8500	JX
.	UNKNOWN SESQUITERPENE	21.45	12000	JX
4.	UNKNOWN SESQUITERPENE	22.82	7700	JX
5.	UNKNOWN ALIPHATIC	23.03	11000	JX
6.	UNKNOWN ALKANE	24.27	9100	JX
7.	UNKNOWN ALKANE	25.12	21000	JX
8.	UNKNOWN ALKANE	26.58	15000	JX
9.	UNKNOWN ALKANE	27.67	10000	JX
10.	UNKNOWN	28.45	7800	JX
11.	UNKNOWN	28.58	8000	JX
12.	UNKNOWN ALIPHATIC	29.03	8400	JX
13.	UNKNOWN	29.23	9300	JX
14.	UNKNOWN	29.55	9100	JX
15.	UNKNOWN	30.10	32000	JX
16.	UNKNOWN	30.28	15000	JX
17.	UNKNOWN C4-ALKYLPHENANTHRENE	31.95	10000	JX
18.	UNKNOWN	32.78	8900	JX
19. 1235-74-1	1-PHENANTHRENECARBOXYLIC ACI	33.30	10000	JXN
20.	UNKNOWN POLYCYCLIC HYDROCARB	34.35	7700	JX
21.	UNKNOWN	41.17	11000	JX

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP14S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184640

Phase Weight: 30.1 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 10.0 Date Analyzed: 06/12/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	360	U
11104-28-2	------Aroclor-1221	360	U
11141-16-5	------Aroclor-1232	360	U
53469-21-9	------Aroclor-1242	360	~~U~~ UJ
12672-29-6	------Aroclor-1248	1900	J
11097-69-1	------Aroclor-1254	2600	NJ
11096-82-5	------Aroclor-1260	1600	

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP14S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix (soil/water): SOIL Lab Sample ID: 184640

Level (low/med): LOW Date Received: 05/22/93

% Solids: 85.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16700			P
7440-36-0	Antimony	5.8	U	~~N~~ J	P
7440-38-2	Arsenic	10.9		~~N~~ J	F
7440-39-3	Barium	170			P
7440-41-7	Beryllium	0.97	B		P
7440-43-9	Cadmium	0.96	B		P
7440-70-2	Calcium	17500		~~*~~ J	P
7440-47-3	Chromium	22.3		~~N~~ J	P
7440-48-4	Cobalt	11.1			P
7440-50-8	Copper	159			P
7439-89-6	Iron	31500			P
7439-92-1	Lead	148		~~N*~~ J	P
7439-95-4	Magnesium	4380			P
7439-96-5	Manganese	604			P
7439-97-6	Mercury	0.23		~~N~~ J	CV
7440-02-0	Nickel	38.6		*	P
7440-09-7	Potassium	1390			P
7782-49-2	Selenium	0.72	B	~~WN~~ J	F
7440-22-4	Silver	0.92	U	~~N~~ J	P
7440-23-5	Sodium	109	U		P
7440-28-0	Thallium	0.47	U		F
7440-62-2	Vanadium	31.2			P
7440-66-6	Zinc	271		~~N*~~ J	P
	Cyanide	0.69	U		C

JBS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP15S

Lab Name: AQUATEC INC Contract: 93208

o Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184641

Sample wt/vol: 4.9 (g/mL) G Lab File ID: G184641V

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: not dec. 15 Date Analyzed: 05/25/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

JBB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP15S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184641

Sample wt/vol: 4.9 (g/mL) G Lab File ID: G184641V

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: not dec. 15 Date Analyzed: 05/25/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP15S

Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36905

Matrix: (soil/water) SOIL   Lab Sample ID: 184641

Sample wt/vol: 30.5 (g/mL) G   Lab File ID: H184641S

Level: (low/med) LOW   Date Received: 05/22/93

% Moisture: 17   decanted: (Y/N) N   Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP15S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184641

Sample wt/vol: 30.5 (g/mL) G Lab File ID: H184641S

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	27	J
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390 ~~42~~	~~J~~ u
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	~~U~~ UJ
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

JDO

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP15S

Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix: (soil/water) SOIL Lab Sample ID: 184641

Sample wt/vol: 30.5 (g/mL) G Lab File ID: H184641S

Level: (low/med) LOW Date Received: 05/22/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/26/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-79-7	~~3-PENTEN-2-ONE, 4-METHYL~~	~~3.07~~	~~110~~	~~BJXNA~~
2. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.22~~	~~4600~~	~~BJXNA~~
3. 74381-40-1	PROPANOIC ACID, ~~2-METHYL-, 1~~	23.53	130	JX~~N~~
4.	~~UNKNOWN ALIPHATIC~~ UNKNOWN ✓	~~24.88~~	~~83~~	~~JXB~~ R
5. 57-10-3	HEXADECANOIC ACID	28.50	270	JXN
6. 57-11-4	OCTADECANOIC ACID	30.97	150	JXN
7.	UNKNOWN HEXANEDIOATE	33.65	91	JXY
8.	UNKNOWN ALKENE	36.73	110	JX
9.	UNKNOWN	37.97	99	JXY
10. 638-68-6	TRIACONTANE	38.52	95	JXN
11.	UNKNOWN POLYTERPENE DERIVATI	39.58	130	JX
12.	UNKNOWN POLYTERPENE DERIVATI	45.40	110	JX
13. 123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~45.75~~	~~1600~~	~~BJXN~~

JBD

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP15S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184641

Phase Weight: 30.0 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 1.0 Date Analyzed: 06/12/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	~~37~~ 33	U
11104-28-2	------Aroclor-1221	~~37~~ 33	U
11141-16-5	------Aroclor-1232	~~37~~ 33	U
53469-21-9	------Aroclor-1242	~~37~~ 33	U
12672-29-6	------Aroclor-1248	36 ~~37~~	~~U~~
11097-69-1	------Aroclor-1254	~~37~~ 33	U
11096-82-5	------Aroclor-1260	36 ~~37~~	~~U~~

JBB

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP15S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36905

Matrix (soil/water): SOIL Lab Sample ID: 184641

Level (low/med): LOW Date Received: 05/22/93

% Solids: 83.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14400			P
7440-36-0	Antimony	10.7		~~N~~ J	P
7440-38-2	Arsenic	10.3		~~N~~ J	F
7440-39-3	Barium	95.6			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	0.35	U		P
7440-70-2	Calcium	4000		~~*~~ J	P
7440-47-3	Chromium	18.4		~~N~~ J	P
7440-48-4	Cobalt	10.7			P
7440-50-8	Copper	28.2			P
7439-89-6	Iron	28700			P
7439-92-1	Lead	15.7		~~*~~ J	F
7439-95-4	Magnesium	3770			P
7439-96-5	Manganese	489			P
7439-97-6	Mercury	0.07	B	~~N~~ J	CV
7440-02-0	Nickel	31.3		*	P
7440-09-7	Potassium	1250			P
7782-49-2	Selenium	0.25	U	~~WN~~ J	F
7440-22-4	Silver	0.75	U	~~N~~ J	P
7440-23-5	Sodium	89.0	U		P
7440-28-0	Thallium	0.57	U	~~W~~ J	F
7440-62-2	Vanadium	28.2			P
7440-66-6	Zinc	71.7		~~N*~~ J	P
	Cyanide	0.72	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP16S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil

Lab Sample ID: 184642

Phase Weight: 30.1 (g)

Date Received: 05/22/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/26/93

Dilution Factor: 10.0

Date Analyzed: 06/12/93

% Solids: 85

Sulfur Clean-up: N (Y/N)

pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	360	U
11104-28-2	Aroclor-1221	360	U
11141-16-5	Aroclor-1232	360	U
53469-21-9	Aroclor-1242	360	U
12672-29-6	Aroclor-1248	360	U
11097-69-1	Aroclor-1254	520	
11096-82-5	Aroclor-1260	3900	

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP17S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184643

Phase Weight: 30.1 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 1.0 Date Analyzed: 06/12/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP18S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36966

Phase Type: Soil

Lab Sample ID: 184898

Phase Weight: 30.0 (g)

Date Received: 05/26/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/27/93

Dilution Factor: 1.0

Date Analyzed: 06/03/93

% Solids: 84

Sulfur Clean-up: N (Y/N)

pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP19S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184899

Sample wt/vol: 5.1 (g/mL) G Lab File ID: D184899V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 16 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	U
67-64-1	Acetone	8	~~BJ~~ J
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP19S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184899

Sample wt/vol: 5.1 (g/mL) G Lab File ID: D184899V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 16 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN TERPENE	24.85	16	J~~X~~
2.	UNKNOWN CYCLOALKANE	28.15	6	J~~X~~
3.	UNKNOWN TRICYCLOUNDECANE	30.10	14	J~~X~~

JD

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP19S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184899

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184899DS

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4000	U
111-44-4	bis(2-Chloroethyl)Ether	4000	U
95-57-8	2-Chlorophenol	4000	U
541-73-1	1,3-Dichlorobenzene	4000	U
106-46-7	1,4-Dichlorobenzene	4000	U
95-50-1	1,2-Dichlorobenzene	4000	U
95-48-7	2-Methylphenol	4000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4000	U
106-44-5	4-Methylphenol	4000	U
621-64-7	N-Nitroso-Di-n-Propylamine	4000	U
67-72-1	Hexachloroethane	4000	U
98-95-3	Nitrobenzene	4000	U
78-59-1	Isophorone	4000	U
88-75-5	2-Nitrophenol	4000	U
105-67-9	2,4-Dimethylphenol	4000	U
111-91-1	bis(2-Chloroethoxy)Methane	4000	U
120-83-2	2,4-Dichlorophenol	4000	U
120-82-1	1,2,4-Trichlorobenzene	4000	U
91-20-3	Naphthalene	4000	U
106-47-8	4-Chloroaniline	4000	U
87-68-3	Hexachlorobutadiene	4000	U
59-50-7	4-Chloro-3-Methylphenol	4000	U
91-57-6	2-Methylnaphthalene	4000	U
77-47-4	Hexachlorocyclopentadiene	4000	U
88-06-2	2,4,6-Trichlorophenol	4000	U
95-95-4	2,4,5-Trichlorophenol	9800	U
91-58-7	2-Chloronaphthalene	4000	U
88-74-4	2-Nitroaniline	9800	U
131-11-3	Dimethylphthalate	4000	U
208-96-8	Acenaphthylene	4000	U
606-20-2	2,6-Dinitrotoluene	4000	U
99-09-2	3-Nitroaniline	9800	U
83-32-9	Acenaphthene	4000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP19S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184899

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184899DS

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9800	U
100-02-7	4-Nitrophenol	9800	U
132-64-9	Dibenzofuran	4000	U
121-14-2	2,4-Dinitrotoluene	4000	U
84-66-2	Diethylphthalate	4000	U
7005-72-3	4-Chlorophenyl-phenylether	4000	U
86-73-7	Fluorene	4000	U
100-01-6	4-Nitroaniline	9800	U
534-52-1	4,6-Dinitro-2-methylphenol	9800	U
86-30-6	N-Nitrosodiphenylamine (1)	4000	U
101-55-3	4-Bromophenyl-phenylether	4000	U
118-74-1	Hexachlorobenzene	4000	U
87-86-5	Pentachlorophenol	9800	U
85-01-8	Phenanthrene	4000	U
120-12-7	Anthracene	4000	U
86-74-8	Carbazole	4000	U
84-74-2	Di-n-Butylphthalate	4000	U
206-44-0	Fluoranthene	4000	U
129-00-0	Pyrene	4000	U
85-68-7	Butylbenzylphthalate	4000	U
91-94-1	3,3'-Dichlorobenzidine	4000	U
56-55-3	Benzo(a)Anthracene	4000	U
218-01-9	Chrysene	4000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4000	U
117-84-0	Di-n-Octyl Phthalate	4000	U
205-99-2	Benzo(b)Fluoranthene	4000	U
207-08-9	Benzo(k)Fluoranthene	4000	U
50-32-8	Benzo(a)Pyrene	4000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	4000	U
53-70-3	Dibenz(a,h)Anthracene	4000	U
191-24-2	Benzo(g,h,i)Perylene	4000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP19S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184899

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184899DS

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.05~~	~~31000~~	~~BJXNA~~ R
2.		UNKNOWN SESQUITERPENE	20.50	8500	JX
3.		UNKNOWN SESQUITERPENE	21.50	18000	JX
4.		UNKNOWN ALKANE	21.98	16000	JXZ
5.		UNKNOWN SESQUITERPENE	22.17	29000	JX
6.		UNKNOWN ALIPHATIC	22.32	11000	JX
7.		UNKNOWN SESQUITERPENE	23.60	11000	JX
8.		UNKNOWN ALKANE	23.73	9500	JXZ
9.		UNKNOWN ALIPHATIC	23.82	19000	JX
10.		UNKNOWN ALKANE	25.05	22000	JX
11.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.93	46000	JXN
12.		UNKNOWN ALIPHATIC	26.47	12000	JX
13.		UNKNOWN ALIPHATIC	26.97	8000	JX
14.	638-68-6	HEXADECANE, 2,6,10,14-TETRAM	27.45	32000	JXN
15.		UNKNOWN ALIPHATIC	28.30	9200	J
16.	629-92-5	NONADECANE	28.60	22000	JXN
17.		UNKNOWN	29.10	9300	JX
18.		UNKNOWN	29.57	9700	JX
19.		UNKNOWN ALKANE	29.80	11000	JX
20.	112-95-8	EICOSANE	29.98	11000	JXN
21.	629-94-7	HENEICOSNAE	31.00	8300	JXN

JBB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP19S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184899

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 5.0 Date Analyzed: 06/05/93

% Solids: 82 Sulfur Clean-up: N (Y/N)

pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	2700	
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	3000 ~~2900~~ ~~3000~~	
11096-82-5	Aroclor-1260	7300 ~~7000~~ ~~6400~~	~~X~~ D
		JS	

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FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP19S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184899

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 5.0 Date Analyzed: 06/05/93

% Solids: 82 Sulfur Clean-up: N (Y/N)

pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	2700	
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	3000 ~~2900~~ ~~3000~~	
11096-82-5	Aroclor-1260	7300 ~~6400~~ ~~7000~~ ~~6400~~	~~X~~ D

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FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP19SDL

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184899D1

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 50.0 Date Analyzed: 06/05/93

% Solids: 82 Sulfur Clean-up: N (Y/N)

pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	1900	U
11104-28-2	------Aroclor-1221	1900	U
11141-16-5	------Aroclor-1232	1900	U
53469-21-9	------Aroclor-1242	3300	D
12672-29-6	------Aroclor-1248	1900	U
11097-69-1	------Aroclor-1254	4100	D
11096-82-5	------Aroclor-1260	7300	D

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP19S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36966_

Matrix (soil/water): SOIL_ Lab Sample ID: 184899

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _81.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13600		J	P
7440-36-0	Antimony	5.9	U	~~N~~ J	P
7440-38-2	Arsenic	15.6		S	F
7440-39-3	Barium	98.1		~~N~~ J	P
7440-41-7	Beryllium	0.88	B	~~J~~	P	JB
7440-43-9	Cadmium	1.0	B	~~J~~	P	JB
7440-70-2	Calcium	7690		~~*~~ J	P
7440-47-3	Chromium	20.4		~~J~~	P	JB
7440-48-4	Cobalt	11.1			P
7440-50-8	Copper	115		~~N*~~ J	P
7439-89-6	Iron	29200			P
7439-92-1	Lead	52.7		~~J~~	F	JB
7439-95-4	Magnesium	3600			P
7439-96-5	Manganese	420		~~N~~ J	P
7439-97-6	Mercury	0.09	B		CV
7440-02-0	Nickel	49.6		~~E*~~ J	P
7440-09-7	Potassium	1230			P
7782-49-2	Selenium	0.63	B	~~WN~~ J	F
7440-22-4	Silver	0.92	U	~~N*~~ J	P
7440-23-5	Sodium	110	U		P
7440-28-0	Thallium	0.94	B	~~J~~	F	JB
7440-62-2	Vanadium	39.6			P
7440-66-6	Zinc	151		~~N~~ J	P
	Cyanide	0.73	U		C

JBB

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

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1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP20S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184550

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	300	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP21S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184644

Phase Weight: 30.0 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 5.0 Date Analyzed: 06/12/93

% Solids: 82 Sulfur Clean-up: N (Y/N)

pH: 6.8

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	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	400	
11096-82-5	Aroclor-1260	440	

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP21SD

Lab Name: Aquatec, Inc. Contract: 93203

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36905

Phase Type: Soil Lab Sample ID: 184645

Phase Weight: 30.3 (g) Date Received: 05/22/93

Injection Volume: 1.0 (uL) Date Extracted: 05/26/93

Dilution Factor: 5.0 Date Analyzed: 06/12/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	180	U
11104-28-2	------Aroclor-1221	180	U
11141-16-5	------Aroclor-1232	180	U
53469-21-9	------Aroclor-1242	180	U
12672-29-6	------Aroclor-1248	180	U
11097-69-1	------Aroclor-1254	400	
11096-82-5	------Aroclor-1260	530	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP22S

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184551

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184551I2V

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: not dec. 18 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP22S

ab Name: AQUATEC INC   Contract: 93208

Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

atrix: (soil/water) SOIL   Lab Sample ID: 184551

ample wt/vol: 5.0 (g/mL) G   Lab File ID: G184551I2V

evel: (low/med) LOW   Date Received: 05/21/93

Moisture: not dec. 18   Date Analyzed: 05/27/93

C Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

oil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 115-07-1	1-PROPENE	1.40	30	JXN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP22S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36859

Matrix: (soil/water) SOIL   Lab Sample ID: 184551

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: B184551S

Level: (low/med) LOW   Date Received: 05/21/93

% Moisture: 18   decanted: (Y/N) N   Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/23/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP22S

L... Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184551

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184551S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/23/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	38	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	50	J
129-00-0	Pyrene	48	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	20	J
218-01-9	Chrysene	31	J
117-81-7	bis(2-Ethylhexyl)Phthalate	51	J
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	37	J
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	34	J
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	120	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP22S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36859

Matrix: (soil/water) SOIL Lab Sample ID: 184551

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B184551S

Level: (low/med) LOW Date Received: 05/21/93

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/25/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/23/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

Number TICs found: 20

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
~~1.~~	~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.47~~	~~6400~~	~~BJXNA~~	R
2.		UNKNOWN ALIPHATIC	25.60	140	JX	
3.		UNKNOWN ALIPHATIC	25.67	120	JX	
4.	57-10-3	HEXADECANOIC ACID	29.48	210	JXN	
5.		UNKNOWN ALIPHATIC	31.80	93	JX	
6.		UNKNOWN ALIPHATIC	35.82	190	JX	
7.		UNKNOWN ALIPHATIC	37.90	210	JX	
8.	630-02-4	OCTACOSANE	38.83	81	JXN	
9.		UNKNOWN ALKANAL	39.23	430	JXZ	
10.	630-03-5	NONACOSANE	39.77	710	JXN	
11.		UNKNOWN ALKENE	39.85	720	JX	
12.		UNKNOWN ALIPHATIC ALDEHYDE	41.08	120	JX	
13.		UNKNOWN C31-ALKANE	41.55	630	JX	
14.		UNKNOWN ALKENE	41.68	110	JX	
15.		UNKNOWN ALKANAL	42.85	110	JX	
16.		UNKNOWN C33-ALKANE	43.30	240	JX	
17.		UNKNOWN SITOSTEROL	44.22	470	JX	
18.	1058-61-3	STIGMAST-4-EN-3-ONE	45.87	190	JXN	
19.		UNKNOWN	46.97	150	JX	
~~20.~~	~~123-28-4~~	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.38~~	~~940~~	~~BJXN~~	R

DP

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP22S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil

Lab Sample ID: 184551

Phase Weight: 30.0 (g)

Date Received: 05/21/93

Injection Volume: 1.0 (uL)

Date Extracted: 05/25/93

Dilution Factor: 1.0

Date Analyzed: 06/10/93

% Solids: 82

Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	85	

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP22S

Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36859_

Matrix (soil/water): SOIL_ Lab Sample ID: 184551

Level (low/med): LOW__ Date Received: 05/21/93

% Solids: _82.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10700			P
7440-36-0	Antimony	4.7	U	N	P
7440-38-2	Arsenic	9.0		N*	F
7440-39-3	Barium	81.6			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	0.66	B		P
7440-70-2	Calcium	40600			P
7440-47-3	Chromium	14.2		N*	P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	37.4		*	P
7439-89-6	Iron	22200		*	P
7439-92-1	Lead	73.2			F
7439-95-4	Magnesium	3320			P
7439-96-5	Manganese	472		N*	P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	23.4			P
7440-09-7	Potassium	1160			P
7782-49-2	Selenium	0.24	U	WN	F
7440-22-4	Silver	0.74	U	N	P
7440-23-5	Sodium	88.6	U		P
7440-28-0	Thallium	0.56	U		F
7440-62-2	Vanadium	22.0			P
7440-66-6	Zinc	126			P
	Cyanide	0.73	U		C

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP23S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184900

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D184900V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 16 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

JBG

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP23S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184900

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D184900V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 16 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP23S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184900S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	~~U U5~~ ok JGB
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP23S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184900S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	~~UJ~~ UJ
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	24	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	22	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	22	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	20	J
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

JBD

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP23S

ab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184900S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 141-79~~-7~~	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~3.02~~	~~110~~	~~BJXNA~~	R
2. 123-42-~~2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.27~~	~~7900~~	~~BJXNA~~	R
3.	UNKNOWN ALIPHATIC	25.68	150	JX	
4.	UNKNOWN ALIPHATIC	32.50	82	JX	
5.	UNKNOWN	39.22	330	JXY	
6. 630-03-5	NONACOSANE	39.75	170	JXN	
7.	UNKNOWN C31-ALKANE	41.53	230	JX	
8.	UNKNOWN C33-ALKANE	43.28	78	JX	
9. 123-28-~~4~~	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.37~~	~~1300~~	~~BJXN~~	R

JBB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP23S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184900

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	93 ~~90~~ ~~93~~	
11096-82-5	Aroclor-1260	JB 36	U

JBB

FORM I HCA

Rev. 9/88

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP23S

Lab Name: AQUATEC________________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36966_

Matrix (soil/water): SOIL_ Lab Sample ID: 184900____

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _84.7

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14600		J	P	
7440-36-0	Antimony	4.6	U	~~N~~ J	P	
7440-38-2	Arsenic	12.2		S	F	
7440-39-3	Barium	82.2		~~N~~ J	P	
7440-41-7	Beryllium	0.81	B	~~J~~	P	JB
7440-43-9	Cadmium	0.33	U	~~J~~	P	JB
7440-70-2	Calcium	1990		~~*~~ J	P	
7440-47-3	Chromium	18.0		~~J~~	P	JB
7440-48-4	Cobalt	10.4			P	
7440-50-8	Copper	42.0		~~N*~~ J	P	
7439-89-6	Iron	31900			P	
7439-92-1	Lead	13.7		~~J~~	F	JB
7439-95-4	Magnesium	4240			P	
7439-96-5	Manganese	472		~~N~~ J	P	
7439-97-6	Mercury	0.06	B		CV	
7440-02-0	Nickel	31.2		~~E*~~ J	P	
7440-09-7	Potassium	813	B		P	
7782-49-2	Selenium	0.15	U	~~WN~~ J	F	
7440-22-4	Silver	0.72	U	~~N*~~ J	P	
7440-23-5	Sodium	85.7	U		P	
7440-28-0	Thallium	0.36	U	~~J~~	F	JB
7440-62-2	Vanadium	27.5			P	
7440-66-6	Zinc	75.1		~~N~~ J	P	JBB
	Cyanide	0.71	U		C	

Color Before: BROWN____ Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: YES___

Comments:
ROOTS_WERE_PRESENT.

FORM I - IN

ILMO2.1

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP24S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184552

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 88 Sulfur Clean-up: N (Y/N)

pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	94	
11097-69-1	Aroclor-1254	130	
11096-82-5	Aroclor-1260	91	

FORM I HCA

Rev. 9/88

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP25S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36859

Phase Type: Soil Lab Sample ID: 184553

Phase Weight: 30.0 (g) Date Received: 05/21/93

Injection Volume: 1.0 (uL) Date Extracted: 05/25/93

Dilution Factor: 1.0 Date Analyzed: 06/10/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	230	

FORM I HCA

Rev. 9/88

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP26S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184901

Sample wt/vol: 5.2 (g/mL) G Lab File ID: D184901V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 20 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP26S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184901

Sample wt/vol: 5.2 (g/mL) G   Lab File ID: D184901V

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: not dec. 20   Date Analyzed: 05/27/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP26S

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184901

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184901S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 17   decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/16/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP26S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184901

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184901S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/16/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP26S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184901

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184901S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 17   decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/16/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.5

Number TICs found: 4

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

CAS NUMBER		COMPOUND NAME	RT	EST. CONC.	Q	
1.	141-79-7	~~3-PENTEN-2-ONE, 4-METHYL~~	~~3.05~~	~~80~~	~~BJXNA~~	R
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.30~~	~~3400~~	~~BJXNA~~	R
3.		UNKNOWN POLYTERPENE DERIVATI	40.97	92	JX	
4.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.42~~	~~990~~	~~BJXN~~	R

JBB

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP26S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184901

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP26S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix (soil/water): SOIL Lab Sample ID: 184901

Level (low/med): LOW Date Received: 05/26/93

% Solids: 82.9

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	23800		J	P	
7440-36-0	Antimony	4.2	U	~~N~~ J	P	
7440-38-2	Arsenic	11.7		S	F	
7440-39-3	Barium	233		~~N~~ J	P	
7440-41-7	Beryllium	1.3		~~J~~	P	JB
7440-43-9	Cadmium	0.31	U		P	
7440-70-2	Calcium	3820		*J	P	
7440-47-3	Chromium	28.2		~~J~~	P	JB
7440-48-4	Cobalt	17.6			P	
7440-50-8	Copper	40.8		~~N*~~ J	P	
7439-89-6	Iron	42100			P	
7439-92-1	Lead	20.4		~~J~~	F	JB
7439-95-4	Magnesium	7380			P	
7439-96-5	Manganese	482		~~N~~ J	P	
7439-97-6	Mercury	0.06	B		CV	
7440-02-0	Nickel	42.4		~~E*~~ J	P	
7440-09-7	Potassium	1420			P	
7782-49-2	Selenium	0.25	U	~~WN~~ J	F	
7440-22-4	Silver	0.66	U	~~N*~~ J	P	
7440-23-5	Sodium	78.6	U		P	
7440-28-0	Thallium	0.58	U	~~J~~	F	JB
7440-62-2	Vanadium	39.1			P	
7440-66-6	Zinc	78.6		~~N~~ J	P	JBB
	Cyanide	0.72	U		C	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP27S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184902

Sample wt/vol: 5.2 (g/mL) G Lab File ID: D184902V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 12 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	3	~~BJ~~ J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-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
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Xylene (total)	11	U

JGB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP27S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184902

Sample wt/vol: 5.2 (g/mL) G   Lab File ID: D184902V

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: not dec. 12   Date Analyzed: 05/27/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP27S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184902

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184902S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 15   decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/16/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP27S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184902

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184902S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/16/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP27S

ab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184902

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184902S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/16/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.27~~	~~5500~~	~~BJXNA~~	R
2.	UNKNOWN POLYTERPENE DERIVATI	40.95	78	JX	
3. 123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.42~~	~~1200~~	~~BJXN~~	R

JBG

1HG

AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP27S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184902

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 85 Sulfur Clean-up: N (Y/N)

pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP27S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36966_

Matrix (soil/water): SOIL_ Lab Sample ID: 184902

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _85.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16800		J	P	
7440-36-0	Antimony	5.4	U	~~N~~ J	P	
7440-38-2	Arsenic	7.0	B	S	F	
7440-39-3	Barium	107		~~N~~ J	P	
7440-41-7	Beryllium	0.80	B		P	
7440-43-9	Cadmium	0.40	U		P	
7440-70-2	Calcium	1830		* J	P	
7440-47-3	Chromium	20.5		~~J~~	P	JB
7440-48-4	Cobalt	14.2			P	
7440-50-8	Copper	37.6		~~N~~* J	P	
7439-89-6	Iron	33600			P	
7439-92-1	Lead	16.5		~~J~~	F	JB
7439-95-4	Magnesium	5100			P	
7439-96-5	Manganese	481		~~N~~ J	P	
7439-97-6	Mercury	0.04	U		CV	
7440-02-0	Nickel	31.4		~~E~~* J	P	
7440-09-7	Potassium	1270			P	
7782-49-2	Selenium	0.23	U	~~WN~~ J	F	
7440-22-4	Silver	0.86	U	~~N~~* J	P	
7440-23-5	Sodium	102	U		P	
7440-28-0	Thallium	0.53	U	~~J~~	F	JBB
7440-62-2	Vanadium	29.0			P	
7440-66-6	Zinc	71.8		~~N~~ J	P	JBB
	Cyanide	0.71	U		C	

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184903V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 14 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

JBB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP28S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184903V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 14 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	32.70	8	~~JX~~
2.	UNKNOWN C12H20 HYDROCARBON	33.60	15	~~JX~~

JS

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184903

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184903D2S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 19   decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y   pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-Di-n-Propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)Methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-Methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	~~UUJ~~ ok JDS
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	4000	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	1600	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28S

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184903

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184903D2S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 19   decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/18/93

Injection Volume: 2.0(uL)   Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y   pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	4000	~~U UJ~~	OK JBB
100-02-7	4-Nitrophenol	4000	U	
132-64-9	Dibenzofuran	1600	U	
121-14-2	2,4-Dinitrotoluene	1600	U	
84-66-2	Diethylphthalate	1600	U	
7005-72-3	4-Chlorophenyl-phenylether	1600	U	
86-73-7	Fluorene	1600	U	
100-01-6	4-Nitroaniline	4000	U	
534-52-1	4,6-Dinitro-2-methylphenol	4000	~~U UJ~~	OK JBB
86-30-6	N-Nitrosodiphenylamine (1)	1600	U	
101-55-3	4-Bromophenyl-phenylether	1600	U	
118-74-1	Hexachlorobenzene	1600	U	
87-86-5	Pentachlorophenol	4000	~~U~~ UJ	
85-01-8	Phenanthrene	1600	U	
120-12-7	Anthracene	1600	U	
86-74-8	Carbazole	1600	U	
84-74-2	Di-n-Butylphthalate	1600	U	
206-44-0	Fluoranthene	1600	U	
129-00-0	Pyrene	1600	U	
85-68-7	Butylbenzylphthalate	1600	U	
91-94-1	3,3'-Dichlorobenzidine	1600	U	
56-55-3	Benzo(a)Anthracene	1600	U	
218-01-9	Chrysene	1600	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	1600	U	
117-84-0	Di-n-Octyl Phthalate	1600	U	
205-99-2	Benzo(b)Fluoranthene	1600	U	
207-08-9	Benzo(k)Fluoranthene	1600	U	
50-32-8	Benzo(a)Pyrene	1600	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	1600	~~U~~ UJ	
53-70-3	Dibenz(a,h)Anthracene	1600	U	
191-24-2	Benzo(g,h,i)Perylene	1600	~~U~~ UJ	JBB

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP28S

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184903

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184903D2S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 19 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/18/93

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.12~~	~~20000~~	~~BJXNA~~ R
2.	UNKNOWN SESQUITERPENE	20.52	2100	JX
3.	UNKNOWN SESQUITERPENE	21.50	4800	JX
4.	UNKNOWN SESQUITERPENE	21.70	1600	JX
5.	UNKNOWN SESQUITERPENE	22.00	3200	JX
6.	UNKNOWN SESQUITERPENE	22.17	8700	JX
7.	UNKNOWN ALIPHATIC	22.32	3000	JX
8.	UNKNOWN ALIPHATIC	22.57	2000	JX
9.	UNKNOWN SESQUITERPENE	23.60	3200	JX
10.	UNKNOWN SESQUITERPENE	23.72	2000	JX
11.	UNKNOWN ALIPHATIC	23.82	6100	JX
12.	UNKNOWN SESQUITERPENE	23.98	1600	JX
13.	UNKNOWN ALIPHATIC	25.52	1900	JX
14. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.90	2900	JXN
15.	UNKNOWN ALIPHATIC	26.43	2900	JX
16. 638-36-8	HEXADECANE, 2,6,10,14-TETRAM	27.42	1900	JXN
17.	UNKNOWN ALIPHATIC	28.58	1900	JX
18.	UNKNOWN	29.08	1700	JX
19.	UNKNOWN	29.55	2600	JX
20.	UNKNOWN	30.82	1700	JX
21. 123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.42~~	~~1800~~	~~BJXN~~ R

JBD

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184903

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 81 Sulfur Clean-up: N (Y/N)

pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	37	U
11104-28-2	------Aroclor-1221	37	U
11141-16-5	------Aroclor-1232	37	U
53469-21-9	------Aroclor-1242	140	
12672-29-6	------Aroclor-1248	37	~~U~~ UJ
11097-69-1	------Aroclor-1254	170	NJ
11096-82-5	------Aroclor-1260	220	

JBO

FORM I HCA

Rev. 9/88

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP28S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix (soil/water): SOIL Lab Sample ID: 184903

Level (low/med): LOW Date Received: 05/26/93

% Solids: 81.3

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	18600		J	P	
7440-36-0	Antimony	5.6	U	~~N~~ J	P	
7440-38-2	Arsenic	7.6		S	F	
7440-39-3	Barium	131		~~N~~ J	P	
7440-41-7	Beryllium	1.1		J	P	JB
7440-43-9	Cadmium	1.7			P	
7440-70-2	Calcium	4080		~~*~~ J	P	
7440-47-3	Chromium	24.6		J	P	JB
7440-48-4	Cobalt	12.6			P	
7440-50-8	Copper	123		N* J	P	
7439-89-6	Iron	36500			P	
7439-92-1	Lead	5380		* J	P	
7439-95-4	Magnesium	5020			P	
7439-96-5	Manganese	566		N J	P	
7439-97-6	Mercury	0.27			CV	
7440-02-0	Nickel	38.7		E* J	P	
7440-09-7	Potassium	1220			P	
7782-49-2	Selenium	0.31	U	WN J	F	
7440-22-4	Silver	6.3		N* J	P	
7440-23-5	Sodium	104	U		P	
7440-28-0	Thallium	0.83	B	J	F	JB
7440-62-2	Vanadium	34.0			P	
7440-66-6	Zinc	691		N J	P	
	Cyanide	0.74	U		C	JBB

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28SD

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184904

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184904V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 17 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

JBB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP28SD

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184904

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184904V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 17 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN C12H20 HYDROCARBON	33.65	12	~~JX~~ JS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28SD

ıb Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184904

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184904S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 17   decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	~~UUJ~~ Ok
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	400	U

JBD

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28SD

b Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184904

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184904S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/17/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	960	~~U~~ ~~UJ~~	ok JAS
100-02-7	4-Nitrophenol	960	U	
132-64-9	Dibenzofuran	400	U	
121-14-2	2,4-Dinitrotoluene	400	U	
84-66-2	Diethylphthalate	400	U	
7005-72-3	4-Chlorophenyl-phenylether	400	U	
86-73-7	Fluorene	400	U	
100-01-6	4-Nitroaniline	960	U	
534-52-1	4,6-Dinitro-2-methylphenol	960	U	
86-30-6	N-Nitrosodiphenylamine (1)	400	U	
101-55-3	4-Bromophenyl-phenylether	400	U	
118-74-1	Hexachlorobenzene	400	U	
87-86-5	Pentachlorophenol	960	U	
85-01-8	Phenanthrene	30	J	
120-12-7	Anthracene	400	U	
86-74-8	Carbazole	400	U	
84-74-2	Di-n-Butylphthalate	400	U	
206-44-0	Fluoranthene	75	J	
129-00-0	Pyrene	94	J	
85-68-7	Butylbenzylphthalate	400	U	
91-94-1	3,3'-Dichlorobenzidine	400	U	
56-55-3	Benzo(a)Anthracene	43	J	
218-01-9	Chrysene	57	J	
117-81-7	bis(2-Ethylhexyl)Phthalate	100	J	
117-84-0	Di-n-Octyl Phthalate	400	U	
205-99-2	Benzo(b)Fluoranthene	51	J	
207-08-9	Benzo(k)Fluoranthene	37	J	
50-32-8	Benzo(a)Pyrene	27	J	
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U	
53-70-3	Dibenz(a,h)Anthracene	400	U	
191-24-2	Benzo(g,h,i)Perylene	400	U	JBD

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP28SD

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184904

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184904S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 17   decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/17/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 6.9

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	141-79-7	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~3.02~~	~~120~~	~~BJXNA~~	R
2.	123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.25~~	~~7800~~	~~BJXNA~~	R
3.	629-59-4	TETRADECANE	20.85	430	JXN	
4.		UNKNOWN SESQUITERPENE	21.47	380	JX	
5.		UNKNOWN ALKANE	21.97	620	JXZ	
6.		UNKNOWN SESQUITERPENE	22.15	610	JX	
7.		UNKNOWN SESQUITERPENE	23.57	400	JX	
8.		UNKNOWN ALIPHATIC	23.80	500	JX	
9.		UNKNOWN ALKANE	25.02	530	JX	
10.	1921-70-6	PENTADECANE, 2,6,10,14-TETRA	25.90	1000	JXN	
11.		UNKNOWN ALIPHATIC	26.43	590	JX	
12.		UNKNOWN ALIPHATIC	26.93	380	JX	
13.	638-36-8	HEXADECANE, 2,6,10,14-TETRAM	27.42	870	JXN	
14.		UNKNOWN	28.28	410	JX	
15.	629-92-5	NONADECANE	28.57	460	JXN	
16.		UNKNOWN	29.07	450	JX	
17.		UNKNOWN	29.53	690	JX	
18.		UNKNOWN	30.00	560	JX	
19.		UNKNOWN	30.50	410	JX	
20.	629-94-7	HENEICOSANE	31.27	590	JXNZ	
21.		UNKNOWN POLYCYCLIC HYDROCARB	42.57	380	JX	
22.	123-28-4	~~PROPANOIC ACID, 3,3'-THIOBIS~~	~~47.38~~	~~790~~	~~BJXN~~	R

356

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP28SD

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184904

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	37	U
11104-28-2	------Aroclor-1221	37	U
11141-16-5	------Aroclor-1232	37	U
53469-21-9	------Aroclor-1242	140	
12672-29-6	------Aroclor-1248	37	~~U~~ UJ
11097-69-1	------Aroclor-1254	37	~~U~~ UJ
11096-82-5	------Aroclor-1260	180	

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP28SD

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: ______ SDG No.: 36966_

Matrix (soil/water): SOIL_ Lab Sample ID: 184904

Level (low/med): LOW__ Date Received: 05/26/93

% Solids: _83.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	13000		J	P	
7440-36-0	Antimony	6.0	U	~~N~~ J	P	
7440-38-2	Arsenic	6.5		S	F	
7440-39-3	Barium	112		~~N~~ J	P	
7440-41-7	Beryllium	0.68	B	~~J~~	P	JSD
7440-43-9	Cadmium	2.6			P	
7440-70-2	Calcium	3960		* J	P	
7440-47-3	Chromium	23.1		~~J~~	P	JB
7440-48-4	Cobalt	10.5	B		P	
7440-50-8	Copper	1040		N* J	P	
7439-89-6	Iron	30400			P	
7439-92-1	Lead	36600		* J	P	
7439-95-4	Magnesium	3600			P	
7439-96-5	Manganese	684		~~N~~ J	P	
7439-97-6	Mercury	0.10	B		CV	
7440-02-0	Nickel	43.8		E* J	P	
7440-09-7	Potassium	995	B		P	
7782-49-2	Selenium	0.24	U	WN J	F	
7440-22-4	Silver	96.8		N* J	P	
7440-23-5	Sodium	112	U		P	
7440-28-0	Thallium	0.55	U	~~W~~ ~~J~~	F	JSD
7440-62-2	Vanadium	70.6			P	
7440-66-6	Zinc	1250		~~N~~ J	P	
	Cyanide	0.72	U		C	JBB

Color Before: BROWN Clarity Before: ______ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR_ Artifacts: ______

Comments:

FORM I - IN

ILMO2.1

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP29S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184905

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP30S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184906

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184906V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 15 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

JBO

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP30S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184906

Sample wt/vol: 5.0 (g/mL) G Lab File ID: G184906V

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: not dec. 15 Date Analyzed: 05/27/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP30S

b Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 36966

Matrix: (soil/water) SOIL   Lab Sample ID: 184906

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B184906S

Level: (low/med) LOW   Date Received: 05/26/93

% Moisture: 16 decanted: (Y/N) N   Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 06/16/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP30S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184906S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/16/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP30S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix: (soil/water) SOIL Lab Sample ID: 184906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B184906S

Level: (low/med) LOW Date Received: 05/26/93

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/28/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/16/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 141-79-7	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~3.02~~	~~110~~	~~BJXNA~~	R
2. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.25~~	~~7100~~	~~BJXNA~~	R
3.	UNKNOWN	39.23	100	JXY	
4. 630-03-5	NONACOSANE	39.78	130	JXN	
5.	UNKNOWN C31-ALKANE	41.57	110	JX	
6. 123-28-4	~~PROPANOIC ACID, 3,3'-~~THIOBIS	~~47.40~~	~~1600~~	~~BJXN~~	R

JBB

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP30S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184906

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 84 Sulfur Clean-up: N (Y/N)

pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	36	U
11104-28-2	------Aroclor-1221	36	U
11141-16-5	------Aroclor-1232	36	U
53469-21-9	------Aroclor-1242	36	U
12672-29-6	------Aroclor-1248	36	U
11097-69-1	------Aroclor-1254	36	U
11096-82-5	------Aroclor-1260	36	U

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP30S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 36966

Matrix (soil/water): SOIL Lab Sample ID: 184906

Level (low/med): LOW Date Received: 05/26/93

% Solids: 84.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11100		J	P	
7440-36-0	Antimony	5.4	U	~~N~~ J	P	
7440-38-2	Arsenic	5.7		S	F	
7440-39-3	Barium	72.1		~~N~~ J	P	
7440-41-7	Beryllium	0.56	B	~~J~~	P	JBB
7440-43-9	Cadmium	0.40	U		P	
7440-70-2	Calcium	45100		* J	P	
7440-47-3	Chromium	14.0		~~J~~	P	JB
7440-48-4	Cobalt	8.3	B		P	
7440-50-8	Copper	21.7		N* J	P	
7439-89-6	Iron	23200			P	
7439-92-1	Lead	11.6		~~J~~	F	JB
7439-95-4	Magnesium	3590			P	
7439-96-5	Manganese	490		~~N~~ J	P	
7439-97-6	Mercury	0.02	U		CV	
7440-02-0	Nickel	25.3		E* J	P	
7440-09-7	Potassium	793	B		P	
7782-49-2	Selenium	0.20	U	WN J	F	
7440-22-4	Silver	0.85	U	~~N~~* J	P	
7440-23-5	Sodium	102	U		P	
7440-28-0	Thallium	0.47	U	~~J~~	F	JBB
7440-62-2	Vanadium	21.1			P	
7440-66-6	Zinc	62.2		~~N~~ J	P	JBB
	Cyanide	0.69	U		C	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP31S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ____ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184907

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 87 Sulfur Clean-up: N (Y/N)

pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	------Aroclor-1016	35	U
11104-28-2	------Aroclor-1221	35	U
11141-16-5	------Aroclor-1232	35	U
53469-21-9	------Aroclor-1242	35	U
12672-29-6	------Aroclor-1248	35	U
11097-69-1	------Aroclor-1254	35	U
11096-82-5	------Aroclor-1260	35	U

1HG
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP34S

Lab Name: Aquatec, Inc. Contract: 93208

Lab Code: AQUAI Case No. 93208 SAS No. ______ SDG No. 36966

Phase Type: Soil Lab Sample ID: 184908

Phase Weight: 30.0 (g) Date Received: 05/26/93

Injection Volume: 1.0 (uL) Date Extracted: 05/27/93

Dilution Factor: 1.0 Date Analyzed: 06/03/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12574-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP1S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 193999

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E193999V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. 15 Date Analyzed: 08/23/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

FORM I VOA 3/90

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP1S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 193999

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E193999V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. 15 Date Analyzed: 08/23/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP1S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 193999

Sample wt/vol: 30.3 (g/mL) G   Lab File ID: B193999S

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: 15 decanted: (Y/N) N   Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 09/15/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP1S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 193999

Sample wt/vol: 30.3 (g/mL) G   Lab File ID: B193999S

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: 15   decanted: (Y/N) N   Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 09/15/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	60	J
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluorahthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP1S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 193999

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B193999S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 15 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~8.27~~	~~7600~~	~~BJXNA~~ R
2. 111-46-6	ETHANOL, 2,2'-OXYBIS-	13.20	190	JXN
~~3.~~	~~UNKNOWN HEXANEDIOATE~~	~~37.38~~	~~3200~~	~~JXB~~ R
4.	UNKNOWN	41.85	82	JXY

PP

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP1S

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL Lab Sample ID: 193999
Phase Weight: 30.1 (g) Date Received: 08/18/93
Injection Volume: 1.0 (uL) Date Extracted: 08/23/93
Dilution Factor: 1.0 Date Analyzed: 09/30/93
% Solids: 85 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	20	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	20	U
53469-21-9	Aroclor-1242	20	U
12672-29-6	Aroclor-1248	20	U
11097-69-1	Aroclor-1254	20	U
11096-82-5	Aroclor-1260	14	J

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TPTP1S

Lab Name: AQUATEC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix (soil/water): SOIL   Lab Sample ID: 193999

Level (low/med): LOW   Date Received: 08/18/93

% Solids: 85.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9190		*	P
7440-36-0	Antimony	8.6	U	N	P
7440-38-2	Arsenic	7.2			F
7440-39-3	Barium	85.6			P
7440-41-7	Beryllium	0.52	B		P
7440-43-9	Cadmium	0.48	U		P
7440-70-2	Calcium	6460			P
7440-47-3	Chromium	12.6		*	P
7440-48-4	Cobalt	7.5	B		P
7440-50-8	Copper	23.1			P
7439-89-6	Iron	21300			P
7439-92-1	Lead	11.3			F
7439-95-4	Magnesium	2780			P
7439-96-5	Manganese	586			P
7439-97-6	Mercury	0.07	B		CV
7440-02-0	Nickel	29.6			P
7440-09-7	Potassium	834	B		P
7782-49-2	Selenium	0.35	B		F
7440-22-4	Silver	0.94	U	J	P
7440-23-5	Sodium	162	U		P
7440-28-0	Thallium	0.59	U		F
7440-62-2	Vanadium	19.4			P
7440-66-6	Zinc	67.1			P
	Cyanide	0.08	U		C

Color Before: BROWN   Clarity Before: Texture: MEDIUM

Color After: YELLOW   Clarity After: CLEAR   Artifacts:

Comments:

FORM I - IN

ILMO2.1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP2S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194000

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E194000V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. 8 Date Analyzed: 08/23/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~2~~	~~BJ~~ U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-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
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Xylene (total)	11	U

FORM I VOA 3/90

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP2S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 194000

Sample wt/vol: 5.1 (g/mL) G   Lab File ID: E194000V

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: not dec. 8   Date Analyzed: 08/23/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP2S

Lab Name: AQUATEC INC　　Contract: 93208

Lab Code: AQUAI　　Case No.: 93208　　SAS No.:　　SDG No.: 38775

Matrix: (soil/water) SOIL　　Lab Sample ID: 194000

Sample wt/vol: 30.1 (g/mL) G　　Lab File ID: B194000S

Level: (low/med) LOW　　Date Received: 08/18/93

% Moisture: 14　decanted: (Y/N) N　　Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL)　　Date Analyzed: 09/15/93

Injection Volume: 2.0(uL)　　Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y　　pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP2S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 194000

Sample wt/vol: 30.1 (g/mL) G   Lab File ID: B194000S

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: 14   decanted: (Y/N) N   Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 09/15/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	170	J
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP2S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194000

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B194000S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 14 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.1

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~8.37~~	~~4700~~	~~BJXNA~~	R
2. 111-46-6	ETHANOL, 2,2'-OXYBIS-	13.35	200	JXN	
3.	UNKNOWN AROMATIC	29.02	220	JX	
~~4.~~	~~UNKNOWN HEXANEDIOATE~~	~~37.40~~	~~5900~~	~~JXB~~	R
5.	UNKNOWN	38.10	130	JX	
6.	UNKNOWN	38.27	150	JX	
7.	UNKNOWN	38.90	340	JX	
8.	UNKNOWN	41.87	81	JXY	
9.	UNKNOWN	44.53	260	JX	
10.	UNKNOWN	44.72	250	JX	

PP

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP2S

Lab Name: Aquatec, Inc.   Lab Code: AQUAI

Contract: 93208   Case: 93208   SDG: 38775

Phase Type: SOIL   Lab Sample ID: 194000

Phase Weight: 30.1 (g)   Date Received: 08/18/93

Injection Volume: 1.0 (uL)   Date Extracted: 08/23/93

Dilution Factor: 1.0   Date Analyzed: 09/30/93

% Solids: 86   Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	20	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	20	U
53469-21-9	Aroclor-1242	20	U
12672-29-6	Aroclor-1248	20	U
11097-69-1	Aroclor-1254	20	U
11096-82-5	Aroclor-1260	26	

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TPTP2S

Lab Name: AQUATEC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix (soil/water): SOIL   Lab Sample ID: 194000

Level (low/med): LOW   Date Received: 08/18/93

% Solids: 86.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6630		*	P
7440-36-0	Antimony	7.0	U	N	P
7440-38-2	Arsenic	7.5			F
7440-39-3	Barium	61.5			P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.39	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	9.8		*	P
7440-48-4	Cobalt	6.5	B		P
7440-50-8	Copper	33.8			P
7439-89-6	Iron	16500			P
7439-92-1	Lead	17.2			F
7439-95-4	Magnesium	3090			P
7439-96-5	Manganese	346			P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	19.9			P
7440-09-7	Potassium	811			P
7782-49-2	Selenium	0.34	B	W	F
7440-22-4	Silver	0.77	U	J	P
7440-23-5	Sodium	132	U		P
7440-28-0	Thallium	0.49	U		F
7440-62-2	Vanadium	15.7			P
7440-66-6	Zinc	93.5			P
	Cyanide	0.19	B		C

Color Before: BROWN   Clarity Before: Texture: MEDIUM

Color After: YELLOW   Clarity After: CLEAR   Artifacts:

Comments:

FORM I - IN

ILMO2.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP3S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 194002

Sample wt/vol: 5.1 (g/mL) G   Lab File ID: E194001V

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: not dec. 3   Date Analyzed: 08/23/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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	10 ~~1~~	~~BJ~~ U
67-64-1	Acetone	10	U
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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.

TPTP3S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194002

Sample wt/vol: 5.1 (g/mL) G Lab File ID: E194001V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. 3 Date Analyzed: 08/23/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP3S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 194002

Sample wt/vol: 30.0 (g/mL) G   Lab File ID: B194002S

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: 7 decanted: (Y/N) N   Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL)   Date Analyzed: 09/15/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y   pH: 8.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	860	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP3S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B194002S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 7 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	860	U
100-02-7	4-Nitrophenol	860	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP3S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B194002S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 7 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~8.35~~	~~6800~~	~~BJXNA~~ R
2.	UNKNOWN HEXADECANOATE	34.87	75	JX
3.	UNKNOWN OCTADECANOATE	37.20	75	JX
~~4.~~	~~UNKNOWN HEXANEDIOATE~~	~~37.40~~	~~3700~~	~~JXB~~ R
5.	UNKNOWN PROPANOATE	41.58	75	JX
6.	UNKNOWN	41.87	160	JXY

pf

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.: TPTP3S

Lab Name: Aquatec, Inc.   Lab Code: AQUAI

Contract: 93208   Case: 93208   SDG: 38775

Phase Type: SOIL
Phase Weight: 30.2 (g)
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
% Solids: 93

Lab Sample ID: 194002
Date Received: 08/18/93
Date Extracted: 08/23/93
Date Analyzed: 09/30/93
Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	18	U
11104-28-2	Aroclor-1221	18	U
11141-16-5	Aroclor-1232	18	U
53469-21-9	Aroclor-1242	18	U
12672-29-6	Aroclor-1248	18	U
11097-69-1	Aroclor-1254	18	U
11096-82-5	Aroclor-1260	18	U

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TPTP3S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix (soil/water): SOIL Lab Sample ID: 194002

Level (low/med): LOW Date Received: 08/18/93

% Solids: 93.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10800		*	P
7440-36-0	Antimony	9.7	U	N	P
7440-38-2	Arsenic	9.1			F
7440-39-3	Barium	62.6			P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	36000			P
7440-47-3	Chromium	13.3		*	P
7440-48-4	Cobalt	10.2			P
7440-50-8	Copper	27.5			P
7439-89-6	Iron	25500			P
7439-92-1	Lead	13.4			F
7439-95-4	Magnesium	3230			P
7439-96-5	Manganese	466			P
7439-97-6	Mercury	0.07	B		CV
7440-02-0	Nickel	26.3			P
7440-09-7	Potassium	1220			P
7782-49-2	Selenium	0.29	U		F
7440-22-4	Silver	1.1	U	J	P
7440-23-5	Sodium	183	U		P
7440-28-0	Thallium	0.51	U		F
7440-62-2	Vanadium	24.5			P
7440-66-6	Zinc	83.7			P
	Cyanide	0.04	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP3D

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E194001I2V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. 10 Date Analyzed: 08/23/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11 ~~2~~	~~BJ~~ U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-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
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	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
1330-20-7	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP3D

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 194001

Sample wt/vol: 5.0 (g/mL) G   Lab File ID: E194001I2V

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: not dec. 10   Date Analyzed: 08/23/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP3D

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B194001S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 7 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	860	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP3D

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B194001S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 7 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	860	U
100-02-7	4-Nitrophenol	860	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	860	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	U
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	U
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP3D

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B194001S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 7 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~8.23~~	~~5700~~	~~BJXNA~~	R
2.	UNKNOWN HEXADECANOATE	34.78	490	JX	
3.	UNKNOWN OCTADECANOATE	37.12	560	JX	
~~4.~~	~~UNKNOWN HEXANEDIOATE~~	~~37.32~~	~~960~~	~~JXB~~	R

RP

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP3D

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL
Phase Weight: 30.3 (g)
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0
% Solids: 93

Lab Sample ID: 194001
Date Received: 08/18/93
Date Extracted: 08/23/93
Date Analyzed: 09/30/93
Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	18	U
11104-28-2	Aroclor-1221	18	U
11141-16-5	Aroclor-1232	18	U
53469-21-9	Aroclor-1242	18	U
12672-29-6	Aroclor-1248	18	U
11097-69-1	Aroclor-1254	18	U
11096-82-5	Aroclor-1260	18	U

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TPTP3D

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix (soil/water): SOIL Lab Sample ID: 194001

Level (low/med): LOW Date Received: 08/18/93

% Solids: 92.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7180		*	P
7440-36-0	Antimony	8.9	U	N	P
7440-38-2	Arsenic	7.8			F
7440-39-3	Barium	41.6			P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	42400			P
7440-47-3	Chromium	10.1		*	P
7440-48-4	Cobalt	6.8	B		P
7440-50-8	Copper	24.9			P
7439-89-6	Iron	17300			P
7439-92-1	Lead	11.3			F
7439-95-4	Magnesium	2710			P
7439-96-5	Manganese	381			P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	19.9			P
7440-09-7	Potassium	671	B		P
7782-49-2	Selenium	0.27	U	W	F
7440-22-4	Silver	0.97	U	J	P
7440-23-5	Sodium	167	U		P
7440-28-0	Thallium	0.47	U		F
7440-62-2	Vanadium	17.4			P
7440-66-6	Zinc	72.1			P
	Cyanide	0.04	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E194003V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. 14 Date Analyzed: 08/23/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP4S

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) SOIL   Lab Sample ID: 194003

Sample wt/vol: 5.0 (g/mL) G   Lab File ID: E194003V

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: not dec. 14   Date Analyzed: 08/23/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TPTP4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B194003S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B194003S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	45	J
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TPTP4S

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) SOIL Lab Sample ID: 194003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B194003S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: 17 decanted: (Y/N) N Date Extracted: 08/23/93

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/15/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.2

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
~~1. 123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~8.28~~	~~4500~~	~~BJXNA~~	R
2.	UNKNOWN HEXADECANOATE	34.87	1900	JX	
3.	UNKNOWN OCTADECANOATE	37.20	2200	JX	
~~4.~~	~~UNKNOWN HEXANEDIOATE~~	~~37.38~~	~~380~~	~~JXB~~	R
5.	UNKNOWN PROPANOATE	41.80	160	JX	
6.	UNKNOWN	41.85	200	JXY	

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TPTP4S

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: SOIL Lab Sample ID: 194003

Phase Weight: 30.3 (g) Date Received: 08/18/93

Injection Volume: 1.0 (uL) Date Extracted: 08/23/93

Dilution Factor: 1.0 Date Analyzed: 09/30/93

% Solids: 83 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/Kg)	Q
12674-11-2	Aroclor-1016	20	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	20	U
53469-21-9	Aroclor-1242	20	U
12672-29-6	Aroclor-1248	20	U
11097-69-1	Aroclor-1254	20	U
11096-82-5	Aroclor-1260	9.1	J

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TPTP4S

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix (soil/water): SOIL Lab Sample ID: 194003

Level (low/med): LOW Date Received: 08/18/93

% Solids: 83.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10400		*	P
7440-36-0	Antimony	12.0	U	N	P
7440-38-2	Arsenic	8.4			F
7440-39-3	Barium	89.0			P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	0.67	U		P
7440-70-2	Calcium	18100			P
7440-47-3	Chromium	15.1		*	P
7440-48-4	Cobalt	9.9	B		P
7440-50-8	Copper	26.2			P
7439-89-6	Iron	23500			P
7439-92-1	Lead	11.1			F
7439-95-4	Magnesium	3560			P
7439-96-5	Manganese	471			P
7439-97-6	Mercury	0.06	B		CV
7440-02-0	Nickel	26.7			P
7440-09-7	Potassium	1100	B		P
7782-49-2	Selenium	0.36	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	227	U		P
7440-28-0	Thallium	0.62	U		F
7440-62-2	Vanadium	22.8			P
7440-66-6	Zinc	65.2			P
	Cyanide	0.04	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILMO2.1

MKB 10-6-95

0000 17

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4R

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) WATER Lab Sample ID: 194005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: G194005V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. Date Analyzed: 08/25/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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	10 ~~3~~	~~BJ~~ u
67-64-1	Acetone	10 ~~5~~	~~BJ~~ u
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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.

TP4R

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) WATER Lab Sample ID: 194005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: G194005V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. Date Analyzed: 08/25/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4R

Lab Name: AQUATEC INC   Contract: 93208

Lab Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) WATER   Lab Sample ID: 194005

Sample wt/vol: 690 (g/mL) ML   Lab File ID: B194005S

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: decanted: (Y/N)   Date Extracted: 08/23/93

Concentrated Extract Volume: 1000 (uL)   Date Analyzed: 09/09/93

Injection Volume: 2.0(uL)   Dilution Factor: 1.0

GPC Cleanup: (Y/N) N   pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	14	U
111-44-4	bis(2-Chloroethyl)Ether	14	U
95-57-8	2-Chlorophenol	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
95-48-7	2-Methylphenol	14	U
108-60-1	2,2'-oxybis(1-Chloropropane)	14	U
106-44-5	4-Methylphenol	14	U
621-64-7	N-Nitroso-Di-n-Propylamine	14	U
67-72-1	Hexachloroethane	14	U
98-95-3	Nitrobenzene	14	U
78-59-1	Isophorone	14	U
88-75-5	2-Nitrophenol	14	U
105-67-9	2,4-Dimethylphenol	14	U
111-91-1	bis(2-Chloroethoxy)Methane	14	U
120-83-2	2,4-Dichlorophenol	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U
91-20-3	Naphthalene	14	U
106-47-8	4-Chloroaniline	14	U
87-68-3	Hexachlorobutadiene	14	U
59-50-7	4-Chloro-3-Methylphenol	14	U
91-57-6	2-Methylnaphthalene	14	U
77-47-4	Hexachlorocyclopentadiene	14	U
88-06-2	2,4,6-Trichlorophenol	14	U
95-95-4	2,4,5-Trichlorophenol	36	U
91-58-7	2-Chloronaphthalene	14	U
88-74-4	2-Nitroaniline	36	U
131-11-3	Dimethylphthalate	14	U
208-96-8	Acenaphthylene	14	U
606-20-2	2,6-Dinitrotoluene	14	U
99-09-2	3-Nitroaniline	36	U
83-32-9	Acenaphthene	14	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4R

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) WATER Lab Sample ID: 194005

Sample wt/vol: 690 (g/mL) ML Lab File ID: B194005S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: decanted: (Y/N) Date Extracted: 08/23/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	36	U
100-02-7	4-Nitrophenol	36	U
132-64-9	Dibenzofuran	14	U
121-14-2	2,4-Dinitrotoluene	14	U
84-66-2	Diethylphthalate	14	U
7005-72-3	4-Chlorophenyl-phenylether	14	U
86-73-7	Fluorene	14	U
100-01-6	4-Nitroaniline	36	U
534-52-1	4,6-Dinitro-2-methylphenol	36	U
86-30-6	N-Nitrosodiphenylamine (1)	14	U
101-55-3	4-Bromophenyl-phenylether	14	U
118-74-1	Hexachlorobenzene	14	U
87-86-5	Pentachlorophenol	36	U
85-01-8	Phenanthrene	14	U
120-12-7	Anthracene	14	U
86-74-8	Carbazole	14	U
84-74-2	Di-n-Butylphthalate	14	U
206-44-0	Fluoranthene	14	U
129-00-0	Pyrene	14	U
85-68-7	Butylbenzylphthalate	14	U
91-94-1	3,3'-Dichlorobenzidine	14	U
56-55-3	Benzo(a)Anthracene	14	U
218-01-9	Chrysene	14	U
117-81-7	bis(2-Ethylhexyl)Phthalate	14 ~~5~~	~~BJ~~ iL
117-84-0	Di-n-Octyl Phthalate	14	U
205-99-2	Benzo(b)Fluoranthene	14	U
207-08-9	Benzo(k)Fluoranthene	14	U
50-32-8	Benzo(a)Pyrene	14	U
193-39-5	Indeno(1,2,3-cd)Pyrene	14	U
53-70-3	Dibenz(a,h)Anthracene	14	U
191-24-2	Benzo(g,h,i)Perylene	14	U

(1) - Cannot be separated from Diphenylamine

DP

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP4R

Lab Name: AQUATEC INC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) WATER Lab Sample ID: 194005

Sample wt/vol: 690 (g/mL) ML Lab File ID: B194005S

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: decanted: (Y/N) Date Extracted: 08/23/93

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/93

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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~~	~~7.82~~	~~17~~	~~BJXNA~~

R

RP

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4R

Lab Name: Aquatec, Inc. Lab Code: AQUAI

Contract: 93208 Case: 93208 SDG: 38775

Phase Type: Water
Phase Volume: 609 (mL)
Injection Volume: 1.0 (uL)
Dilution Factor: 1.0

Lab Sample ID: 194005
Date Received: 08/18/93
Date Extracted: 08/23/93
Date Analyzed: 09/11/93
Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
12674-11-2	Aroclor-1016	0.083	U
11104-28-2	Aroclor-1221	0.083	U
11141-16-5	Aroclor-1232	0.083	U
53469-21-9	Aroclor-1242	0.083	U
12672-29-6	Aroclor-1248	0.083	U
11097-69-1	Aroclor-1254	0.083	U
11096-82-5	Aroclor-1260	0.083	U

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TP4R

Lab Name: AQUATEC Contract: 93208

Lab Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix (soil/water): WATER Lab Sample ID: 194005

Level (low/med): LOW Date Received: 08/18/93

% 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	72.2	U		P
7440-36-0	Antimony	49.7	U		P
7440-38-2	Arsenic	1.9	U		F
7440-39-3	Barium	38.5	U		P
7440-41-7	Beryllium	0.89	U		P
7440-43-9	Cadmium	2.8	U		P
7440-70-2	Calcium	616	U		P
7440-47-3	Chromium	4.8	B		P
7440-48-4	Cobalt	5.5	U		P
7440-50-8	Copper	5.0	B		P
7439-89-6	Iron	220			P
7439-92-1	Lead	0.80	U		F
7439-95-4	Magnesium	751	U		P
7439-96-5	Manganese	6.3	B		P
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	7.5	U		P
7440-09-7	Potassium	743	U		P
7782-49-2	Selenium	1.5	U		F
7440-22-4	Silver	5.5	U	J	P
7440-23-5	Sodium	939	U		P
7440-28-0	Thallium	2.6	U		F
7440-62-2	Vanadium	6.8	U		P
7440-66-6	Zinc	3.5	B		P
	Cyanide	1.2	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TBS

Lab Name: AQUATEC INC   Contract: 93208

Code: AQUAI   Case No.: 93208   SAS No.:   SDG No.: 38775

Matrix: (soil/water) WATER   Lab Sample ID: 193998

Sample wt/vol: 5.0 (g/mL) ML   Lab File ID: G193998V

Level: (low/med) LOW   Date Received: 08/18/93

% Moisture: not dec.   Date Analyzed: 08/24/93

GC Column: PACK   ID: 2.00 (mm)   Dilution Factor: 1.0

Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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	10 ~~4~~	~~BJ~~ U
67-64-1	Acetone	10	~~BJ~~ U
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	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	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	10	U
591-78-6	2-Hexanone	10	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.

TB5

Lab Name: AQUATEC INC Contract: 93208

Code: AQUAI Case No.: 93208 SAS No.: SDG No.: 38775

Matrix: (soil/water) WATER Lab Sample ID: 193998

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: G193998V

Level: (low/med) LOW Date Received: 08/18/93

% Moisture: not dec. Date Analyzed: 08/24/93

GC Column: PACK ID: 2.00 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TPMW7S

Lab Name: AQUATEC________________ Contract: 93208_____

Lab Code: AQUAI_ Case No.: 93208_ SAS No.: _______ SDG No.: 36838_

Matrix (soil/water): SOIL_ Lab Sample ID: 184366____

Level (low/med): LOW__ Date Received: 05/19/93

% Solids: _90.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7640			P
7440-36-0	Antimony	5.6	U	~~N*~~ J	P
7440-38-2	Arsenic	6.9		~~N*~~ J	F
7440-39-3	Barium	60.1			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	0.41	U		P
7440-70-2	Calcium	113000		~~*~~ J	P
7440-47-3	Chromium	10.4			P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	17.7		~~*~~ J	P
7439-89-6	Iron	14700		*	P
7439-92-1	Lead	8.0		~~S~~	F
7439-95-4	Magnesium	3190			P
7439-96-5	Manganese	344			P
7439-97-6	Mercury	0.03	B	~~N~~ J	CV
7440-02-0	Nickel	17.7		~~N~~ J	P
7440-09-7	Potassium	1280			P
7782-49-2	Selenium	0.27	U	~~WN~~ J	F
7440-22-4	Silver	0.87	U	~~N*~~ J	P
7440-23-5	Sodium	147	B		P
7440-28-0	Thallium	0.62	U	~~W~~ J	F
7440-62-2	Vanadium	17.3			P
7440-66-6	Zinc	58.8			P
	Cyanide	0.54	U		C

Color Before: BROWN____ Clarity Before: _______ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _______

Comments:

FORM I - IN

ILM02.1