RECEIVED FEB 15 1984

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 2/14/84

SUBJECT: Review of Region V CLP Data
Received for Review on 2/10/84

FROM: Curtis Ross, Director Chuck Ellis for
Central Regional Laboratory

TO: Data User: FIT

We have reviewed the data for the following case(s).

should be 2315

SITE NAME Gary Land Development SMO Case No. 2317

EPA Data Set No. SF169 No. of Samples 5 D.U./Activity Numbers 7905 1C48500

CRL No. 84MH03R11 to 84MH03S70

SMO Traffic No. E3364 to E7168

Contract Laboratory: Aquatech Hours Required for Review:

Following are our findings.

Unreviewed data

US EPA RECORDS CENTER REGION 5
416010

( ) Data are acceptable for use.
( ) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Robert Pritchard, CLP/SMO

EPA FORM 1320-6 (REV 3-76)

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
BLANKS

ORGANICS ANALYSIS DATA SHEET

RECEIVED FEB 15 1984

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: See Below
Sample Matrix: Water
Data Release Authorized By: J Comer

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 23 January 1984
PERCENT MOISTURE: —

B 2315 R

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	10U
(24A)	95-57-8	2- chlorophenol	10U
(31A)	120-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(37A)	88-75-5	2- nitrophenol	20U
(38A)	100-02-7	4-nitrophenol	50U
(39A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	10U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	5U
	108-39-4	4-methylphenol	5U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20U
(43B)	111-91-1	bis (2-chloroethoxy) methane	20U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodipropylamine	10U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	10 R
(67B)	85-68-7	benzyl butyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-32-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U
	62-53-3	aniline	5U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U
		N-nitrosodimethylamine	10U

FORM II (LIB) July 1983

U.S. EPA CONTRACT LABORATORY PROGRAM - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number(s)
BLANKS

ORGANICS ANALYSIS DATA SHEET

RECEIVED FEB 15 1984

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: See Below
Sample Matrix: Water
Data Release Authorized By: [signature]

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4 January 1984
PERCENT MOISTURE: —

BLK 117A

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride 27	
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
~~(49V)~~	~~75-69-4~~	~~fluorotrichloromethane~~	~~5U~~
~~(50V)~~	~~75-71-8~~	~~dichlorodifluoromethane~~	~~5U~~
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene 5K	
(86V)	108-88-3	toluene 5K	
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone 14	
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	~~total~~ xylenes 5K	

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 2 February 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.050U
(92P)	50-29-3	4,4'-DDT	0.010U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.010U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.010U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.010U
(100P)	76-44-8	heptachlor	0.005U
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.050U
(107P)	11097-69-1	PCB-1254	0.100U
(108P)	11104-28-2	PCB-1221	0.100U
(109P)	11141-16-5	PCB-1232	0.100U
(110P)	12672-29-6	PCB-1248	0.100U
(111P)	11096-82-5	PCB-1260	0.200U
(112P)	12674-11-2	PCB-1016	0.050U
(113P)	8001-35-2	toxaphene	0.050U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 26 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.005U

July 1983

FORM IIA

~~000243~~
000010

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
BLANKS

Laboratory Name: Aquatec, Inc. Case No: 2315
QC Report No: 15

RECEIVED FEB 16 1984

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: Purge)	Estimated Concentration (ug/L or ug/kg)
1.						
2.	—	Unknown	B/N/A	4413	—	31
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

4/82

J Comer

000011

~~000211~~

FORM II (continued)

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E3364

84MH03R11

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 3321
Sample Matrix: Water
Data Release Authorized By: J Comstock

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

RECEIVED FEB 15 1984

SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 21 & 22 January 1984
PERCENT MOISTURE: —

FIELD BLANK

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	10U
(24A)	95-57-8	2- chlorophenol	10U
(31A)	120-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(37A)	88-75-5	2- nitrophenol	20U
(38A)	100-02-7	4-nitrophenol	50U
(39A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	10U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	5U
	108-39-4	4-methylphenol	5U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	40U
(5B)	92-87-5	benzidine	160U
(8B)	120-82-1	1,2,4-trichlorobenzene	40U
(9B)	118-74-1	hexachlorobenzene	40U
(12B)	67-72-1	hexachloroethane	40U
(18B)	111-44-4	bis(2-chloroethyl)ether	40U
(20B)	91-58-7	2-chloronaphthalene	40U
(25B)	95-50-1	1,2-dichlorobenzene	40U
(26B)	541-73-1	1,3-dichlorobenzene	40U
(27B)	106-46-7	1,4-dichlorobenzene	40U
(28B)	91-94-1	3,3'-dichlorobenzidine	80U
(35B)	121-14-2	2,4-dinitrotoluene	80U
(36B)	606-20-2	2,6-dinitrotoluene	80U
(37B)	122-66-7	1,2-diphenylhydrazine	80U
(39B)	206-44-0	fluoranthene	40U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	40U
(41B)	101-55-3	4-bromophenyl phenyl ether	40U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	80U
(43B)	111-91-1	bis (2-chloroethoxy) methane	80U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	40U
(53B)	77-47-4	hexachlorocyclopentadiene	40U
(54B)	78-59-1	isophorone	40U
(55B)	91-20-3	naphthalene	40U
(56B)	98-95-3	nitrobenzene	40U
(62B)	86-30-6	N-nitrosodiphenylamine	40U
(63B)	621-64-7	N-nitrosodipropylamine	40U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	ND3
(67B)	85-68-7	benzyl butyl phthalate	40U
(68B)	84-74-2	di-n-butyl phthalate	40U
(69B)	117-84-0	di-n-octyl phthalate	40U
(70B)	84-66-2	diethyl phthalate	40U
(71B)	131-11-3	dimethyl phthalate	40U
(72B)	56-55-3	benzo(a)anthracene	40U
(73B)	50-32-8	benzo(a)pyrene	80U
(74B)	205-99-2	benzo(b)fluoranthene	80U
(75B)	207-08-9	benzo(k)fluoranthene	80U
(76B)	218-01-9	chrysene	80U
(77B)	208-96-8	acenaphthylene	40U
(78B)	120-12-7	anthracene	40U
(79B)	191-24-2	benzo(ghi)perylene	80U
(80B)	86-73-7	fluorene	40U
(81B)	85-01-8	phenanthrene	40U
(82B)	53-70-3	dibenzo(a,h)anthracene	80U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	80U
(84B)	129-00-0	pyrene	40U
	62-53-3	aniline	20U
	100-51-6	benzyl alcohol	80U
	106-47-8	4-chloroaniline	200U
	132-64-9	dibenzofuran	40U
	91-57-6	2-methylnaphthalene	30U
	88-74-4	2-nitroaniline	400U
	99-09-2	3-nitroaniline	400U
	100-01-6	4-nitroaniline	400U
		N-nitrosodimethylamine	40U

U.S. Environmental Protection Agency - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E3364

ORGANICS ANALYSIS DATA SHEET

RECEIVED FEB 15 1984

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 33211
Sample Matrix: Water
Data Release Authorized By: J. Comer

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l) or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride NDB	
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
~~(49V)~~	~~75-69-4~~	~~fluorotrichloromethane~~	~~5U~~
~~(50V)~~	~~75-71-8~~	~~dichlorodifluoromethane~~	~~5U~~
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene NDB	
(86V)	108-88-3	toluene 5KC	
(87V)	79-01-6	trichloroethene 6B	
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	5U
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	~~total~~ xylenes NDB	

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 2 February 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l) or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.050U
(92P)	50-29-3	4,4'-DDT	0.010U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.010U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.010U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.010U
(100P)	76-44-8	heptachlor	0.005U
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.050U
(107P)	11097-69-1	PCB-1254	0.100U
(108P)	11104-28-2	PCB-1221	0.100U
(109P)	11141-16-5	PCB-1232	0.100U
(110P)	12672-29-6	PCB-1248	0.100U
(111P)	11096-82-5	PCB-1260	0.200U
(112P)	12674-11-2	PCB-1016	0.050U
(113P)	8001-35-2	toxaphene	0.050U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 26 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l) or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.005U

July 1983

~~000216~~

FORM IIA

000013

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
E 3364

Laboratory Name: Aquatec, Inc. Case No: 2315
QC Report No: 15

RECEIVED FEB 15 1984

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: Purge A)	Estimated Concentration (ug/L or ug/kg)
1.	629-59-4	Tetradecane	A	2615	85.0%	33
2.	629-59-4	Tetradecane	B/N	2625	90.5%	130
3.						
4.	544-76-3	Hexadecane	B/N	3012	70.3%	670
5.						
6.	–	Unknown	B/N	4405	–	250
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

J Comea

000014

~~0002 17~~

FORM II (continued)

. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E3365

84MH03568

ORGANICS ANALYSIS DATA SHEET

oratory Name: Aquatec, Inc.
Sample ID No: 33212
ple Matrix: water
a Release Authorized By: J Comer

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

SEMIVOLATILE COMPOUNDS

RECEIVED FEB 15 1984

~~000219~~

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 21 January 1984
PERCENT MOISTURE: -

000015

Well #1

PP #	CAS #		ug/l or ug/kg (circle one)	PP #	CAS #		ug/l or ug/kg (circle one)
1A)	88-06-2	2,4,6- trichlorophenol	200 u	(52B)	87-68-3	hexachlorobutadiene	200 u
2A)	59-50-7	p-chloro-m-cresol	200 u	(53B)	77-47-4	hexachlorocyclopentadiene	200 u
4A)	95-57-8	2- chlorophenol	200 u	(54B)	78-59-1	isophorone	200 u
1A)	120-83-2	2,4-dichlorophenol	200 u	(55B)	91-20-3	naphthalene	200 u
4A)	105-67-9	2,4-dimethylphenol	200 u	(56B)	98-95-3	nitrobenzene	200 u
7A)	88-75-5	2- nitrophenol	400 u	(62B)	86-30-6	N-nitrosodiphenylamine	200 u
8A)	100-02-7	4-nitrophenol	1000 u	(63B)	621-64-7	N-nitrosodipropylamine	200 u
9A)	51-28-5	2,4-dinitrophenol	1000 u	(66B)	117-81-7	bis (2-ethylhexyl) phthalate	200 u
0A)	534-52-1	4,6-dinitro-2-methylphenol	400 u	(67B)	85-68-7	benzyl butyl phthalate	200 u
4A)	87-86-5	pentachlorophenol	200 u	(68B)	84-74-2	di-n-butyl phthalate	200 u
5A)	108-95-2	phenol	200 u	(69B)	117-84-0	di-n-octyl phthalate	200 u
	65-85-0	benzoic acid	2000 u	(70B)	84-66-2	diethyl phthalate	200 u
	95-48-7	2-methylphenol	100 u	(71B)	131-11-3	dimethyl phthalate	200 u
	108-39-4	4-methylphenol	100 u	(72B)	56-55-3	benzo(a)anthracene	200 u
	95-95-4	2,4,5-trichlorophenol	2000 u	(73B)	50-32-8	benzo(a)pyrene	400 u
1B)	83-32-9	acenaphthene	200 u	(74B)	205-99-2	benzo(b)fluoranthene	400 u
5B)	92-87-5	benzidine	800 u	(75B)	207-08-9	benzo(k)fluoranthene	400 u
8B)	120-82-1	1,2,4-trichlorobenzene	200 u	(76B)	218-01-9	chrysene	400 u
9B)	118-74-1	hexachlorobenzene	200 u	(77B)	208-96-8	acenaphthylene	200 u
12B)	67-72-1	hexachloroethane	200 u	(78B)	120-12-7	anthracene	200 u
18B)	111-44-4	bis(2-chloroethyl)ether	200 u	(79B)	191-24-2	benzo(ghi)perylene	400 u
20B)	91-58-7	2-chloronaphthalene	200 u	(80B)	86-73-7	fluorene	200 u
25B)	95-50-1	1,2-dichlorobenzene	200 u	(81B)	85-01-8	phenanthrene	200 u
26B)	541-73-1	1,3-dichlorobenzene	200 u	(82B)	53-70-3	dibenzo(a,h)anthracene	400 u
27B)	106-46-7	1,4-dichlorobenzene	200 u	(83B)	193-39-5	indeno(1,2,3-cd)pyrene	400 u
28B)	91-94-1	3,3'-dichlorobenzidine	400 u	(84B)	129-00-0	pyrene	200 u
35B)	121-14-2	2,4-dinitrotoluene	400 u		62-53-3	aniline	100 u
36B)	606-20-2	2,6-dinitrotoluene	400 u		100-51-6	benzyl alcohol	400 u
37B)	122-66-7	1,2-diphenylhydrazine	400 u		106-47-8	4-chloroaniline	1000 u
39B)	206-44-0	fluoranthene	200 u		132-64-9	dibenzofuran	200 u
40B)	7005-72-3	4-chlorophenyl phenyl ether	200 u		91-57-6	2-methylnaphthalene	400 u
41B)	101-55-3	4-bromophenyl phenyl ether	200 u		88-74-4	2-nitroaniline	2000 u
42B)	39638-32-9	bis (2-chloroisopropyl) ether	400 u		99-09-2	3-nitroaniline	2000 u
43B)	111-91-1	bis (2-chloroethoxy) methane	400 u		100-01-6	4-nitroaniline	2000 u
						N-nitrosodimethylamine	200 u

U.S. Environmental Protection Agency - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E 3965

Well #1

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 33212
Sample Matrix: Water
Data Release Authorized By: J Comer

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

RECEIVED FEB 15 1984

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	11
~~(14V)~~	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride NDB	
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
~~(49V)~~	~~75-69-4~~	~~fluorotrichloromethane~~	~~5U~~
~~(50V)~~	~~75-71-8~~	~~dichlorodifluoromethane~~	~~5U~~
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene NDB	
(87V)	79-01-6	trichloroethene 5K	5U
(88V)	75-01-4	vinyl chloride	
	67-64-1	acetone NDB	
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	~~total~~ o-xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 2 February 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.050U
(92P)	50-29-3	4,4'-DDT	0.010U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.010U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.010U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.010U
(100P)	76-44-8	heptachlor 0.05 J	
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.050U
(107P)	11097-69-1	PCB-1254	0.100U
(108P)	11104-28-2	PCB-1221	0.100U
(109P)	11141-16-5	PCB-1232	0.100U
(110P)	12672-29-6	PCB-1248	0.100U
(111P)	11096-82-5	PCB-1260	0.200U
(112P)	12674-11-2	PCB-1016	0.050U
(113P)	8001-35-2	toxaphene	0.050U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 26 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.005U

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
E 3365

Laboratory Name: Aquatec, Inc. Case No: 2315
QC Report No: 15

RECEIVED FEB 15 1984

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: Purity)	Estimated Concentration (ug/L or ug/kg)
1.						
2.	109-99-9	Tetrahydrofuran	✓	212	93.6	12
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

J Comeau

FORM II (continued)

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E 7166

84MH03569

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 33213
Sample Matrix: Water
Data Release Authorized By: J. Connor

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

SEMIVOLATILE COMPOUNDS

RECEIVED FEB 15 1984

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 23-28 January 1984
PERCENT MOISTURE: —

Well #2

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	10U
(24A)	95-57-8	2- chlorophenol	10U
(31A)	120-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2- nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	50U
(59A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	10U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	5U
	108-39-4	4-methylphenol	5U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	20U
(5B)	92-87-5	benzidine	80U
(8B)	120-82-1	1,2,4-trichlorobenzene	20U
(9B)	118-74-1	hexachlorobenzene	20U
(12B)	67-72-1	hexachloroethane	20U
(18B)	111-44-4	bis(2-chloroethyl)ether	20U
(20B)	91-58-7	2-chloronaphthalene	20U
(25B)	95-50-1	1,2-dichlorobenzene	20U
(26B)	541-73-1	1,3-dichlorobenzene	20U
(27B)	106-46-7	1,4-dichlorobenzene	20U
(28B)	91-94-1	3,3'-dichlorobenzidine	40U
(35B)	121-14-2	2,4-dinitrotoluene	40U
(36B)	606-20-2	2,6-dinitrotoluene	40U
(37B)	122-66-7	1,2-diphenylhydrazine	40U
(39B)	206-44-0	fluoranthene	20U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	20U
(41B)	101-55-3	4-bromophenyl phenyl ether	20U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	40U
(43B)	111-91-1	bis (2-chloroethoxy) methane	40U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	20U
(53B)	77-47-4	hexachlorocyclopentadiene	20U
(54B)	78-59-1	isophorone	20U
(55B)	91-20-3	naphthalene	20U
(56B)	98-95-3	nitrobenzene	20U
(62B)	86-30-6	N-nitrosodiphenylamine	20U
(63B)	621-64-7	N-nitrosodipropylamine	20U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	NDB
(67B)	85-68-7	benzyl butyl phthalate	20U
(68B)	84-74-2	di-n-butyl phthalate	20U
(69B)	117-84-0	di-n-octyl phthalate	20U
(70B)	84-66-2	diethyl phthalate	20U
(71B)	131-11-3	dimethyl phthalate	20U
(72B)	56-55-3	benzo(a)anthracene	20U
(73B)	50-32-8	benzo(a)pyrene	40U
(74B)	205-99-2	benzo(b)fluoranthene	40U
(75B)	207-08-9	benzo(k)fluoranthene	40U
(76B)	218-01-9	chrysene	40U
(77B)	208-96-8	acenaphthylene	20U
(78B)	120-12-7	anthracene	20U
(79B)	191-24-2	benzo(ghi)perylene	40U
(80B)	86-73-7	fluorene	20U
(81B)	85-01-8	phenanthrene	20U
(82B)	53-70-3	dibenzo(a,h)anthracene	40U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	40U
(84B)	129-00-0	pyrene	20U
	62-53-3	aniline	10U
	100-51-6	benzyl alcohol	40U
	106-47-8	4-chloroaniline	100U
	132-64-9	dibenzofuran	20U
	91-57-6	2-methylnaphthalene	10U
	88-74-4	2-nitroaniline	200U
	99-09-2	3-nitroaniline	200U
	100-01-6	4-nitroaniline	200U
		N-nitrosodimethylamine	20U

U.S. Environmental Protection Agency - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample No. E 7166

ORGANICS ANALYSIS DATA SHEET

RECEIVED FEB 15 1984

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 33213
Sample Matrix: Water
Data Release Authorized By: [signature]

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l) or ug/kg (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	15
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5K
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	NDB
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
~~(49V)~~	~~75-69-4~~	~~fluorotrichloromethane~~	~~5U~~
~~(50V)~~	~~75-71-8~~	~~dichlorodifluoromethane~~	~~5U~~
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	NDB
(86V)	108-88-3	toluene	NDB
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	NDB
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	~~total~~ o-xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 2 February 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l) or ug/kg (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.050U
(92P)	50-29-3	4,4'-DDT	0.010U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.010U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.010U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.010U
(100P)	76-44-8	heptachlor	0.01U
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.050U
(107P)	11097-69-1	PCB-1254	0.100U
(108P)	11104-28-2	PCB-1221	0.100U
(109P)	11141-16-5	PCB-1232	0.100U
(110P)	12672-29-6	PCB-1248	0.100U
(111P)	11096-82-5	PCB-1260	0.200U
(112P)	12674-11-2	PCB-1016	0.050U
(113P)	8001-35-2	toxaphene	0.050U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 26 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l) or ug/kg (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.005U

July 1983

FORM IIA

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
E 7166

Laboratory Name: Aquatec, Inc. Case No: 2315
QC Report No: 15

RECEIVED FEB 15 1984

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: Purify)	Estimated Concentration (ug/L or ug/kg)
1.						
2.	98-54-4	4(1,1-dimethylethyl) phenol	A	2406	86.6	26
3.						
4.	629-59-4	Tetradecane	B/N	2629	87.2	110
5.						
6.	-	Unknown	B/N	3965	-	21
7.						
8.	-	Unknown	B/N	4100	-	35
9.						
10.	-	Unknown	A	4187	-	30
11.						
12.	-	Unknown	B/N	4229	-	41
13.						
14.	-	Unknown	B/N	4354	-	49
15.						
16.	-	Unknown	B/N	4415	-	210
17.						
18.	-	Unknown	B/N	4475	-	52
19.						
20.	-	Unknown	B/N	4597	-	43
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

J Comer

000020

~~000259~~

FORM II (continued)

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E 7K7

84MH03D68

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Aquatec Inc.
Lab Sample ID No: 33214
Sample Matrix: Water
Data Release Authorized By: J. Thomas

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

SEMIVOLATILE COMPOUNDS

RECEIVED FEB 15 1984

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 23 January 1984
PERCENT MOISTURE: -

Well #2 Supl.

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	10U
(24A)	95-57-8	2- chlorophenol	10U
(31A)	120-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2- nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	50U
(59A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	10U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	5U
	108-39-4	4-methylphenol	5U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20U
(43B)	111-91-1	bis (2-chloroethoxy) methane	20U

PP #	CAS #		ug/l or ug/kg (circle one)	
(52B)	87-68-3	hexachlorobutadiene	10U	
(53B)	77-47-4	hexachlorocyclopentadiene	10U	
(54B)	78-59-1	isophorone	10U	
(55B)	91-20-3	naphthalene	10U	
(56B)	98-95-3	nitrobenzene	10U	
(62B)	86-30-6	N-nitrosodiphenylamine	10U	
(63B)	621-64-7	N-nitrosodipropylamine	10U	
(66B)	117-81-7	bis (2-ethylhexyl) phthalate		NDB
(67B)	85-68-7	benzyl butyl phthalate		10K
(68B)	84-74-2	di-n-butyl phthalate	10U	10K
(69B)	117-84-0	di-n-octyl phthalate	10U	
(70B)	84-66-2	diethyl phthalate	10U	
(71B)	131-11-3	dimethyl phthalate	10U	
(72B)	56-55-3	benzo(a)anthracene	10U	
(73B)	50-32-8	benzo(a)pyrene	20U	
(74B)	205-99-2	benzo(b)fluoranthene	20U	
(75B)	207-08-9	benzo(k)fluoranthene	20U	
(76B)	218-01-9	chrysene	20U	
(77B)	208-96-8	acenaphthylene		10K
(78B)	120-12-7	anthracene	10U	
(79B)	191-24-2	benzo(ghi)perylene	20U	
(80B)	86-73-7	fluorene	10U	
(81B)	85-01-8	phenanthrene	10U	
(82B)	53-70-3	dibenzo(a,h)anthracene	20U	
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U	
(84B)	129-00-0	pyrene		10K
	62-53-3	aniline	5U	
	100-51-6	benzyl alcohol	20U	
	106-47-8	4-chloroaniline	50U	
	132-64-9	dibenzofuran	10U	
	91-57-6	2-methylnaphthalene	20U	
	88-74-4	2-nitroaniline	100U	
	99-09-2	3-nitroaniline	100U	
	100-01-6	4-nitroaniline	100U	
		N-nitrosodimethylamine	10U	

U.S. Army Environmental Hygiene Agency - Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E 7167

ORGANICS ANALYSIS DATA SHEET

RECEIVED FEB 15 1984

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 33214
Sample Matrix: Water
Data Release Authorized By: [signature]

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	9
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride	NDB
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
~~(49V)~~	~~75-69-4~~	~~fluorotrichloromethane~~	~~5U~~
~~(50V)~~	~~75-71-8~~	~~dichlorodifluoromethane~~	~~5U~~
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene	5U
(86V)	108-88-3	toluene	NDB
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone	NDB
	78-93-3	2-butanone	510
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	~~total~~ xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 2 February 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.050U
(92P)	50-29-3	4,4'-DDT	0.010U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.010U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.010U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.010U
(100P)	76-44-8	heptachlor 0.01U	
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC	0.005U
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.05U
(107P)	11097-69-1	PCB-1254	0.100U
(108P)	11104-28-2	PCB-1221	0.100U
(109P)	11141-16-5	PCB-1232	0.100U
(110P)	12672-29-6	PCB-1248	0.100U
(111P)	11096-82-5	PCB-1260	0.200U
(112P)	12674-11-2	PCB-1016	0.050U
(113P)	8001-35-2	toxaphene	0.050U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 26 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.005U

July 1983

FORM IIA

~~000255~~
000022

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
E 7167

Laboratory Name: Aquatec, Inc. Case No: 2315
QC Report No: 15

RECEIVED FEB 15 1984

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: Purge)	Estimated Concentration (ug/L or ug/kg)
1.						
2.	108-94-1	Cyclohexanone	B/N/A	1335	75.6%	45
3.						
4.	98-54-4	4-(1,1-dimethylethyl)phenol	B/N/A	2410	83.3%	53
5.						
6.	109-99-9	Tetrahydrofuran	✓	205	98.5%	160
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

J Comer

FORM II (continued)

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
E 7168

ORGANICS ANALYSIS DATA SHEET

84MH03570

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 33215
Sample Matrix: Water
Data Release Authorized By: J Lomas

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

SEMIVOLATILE COMPOUNDS

RECEIVED FEB 15 1984

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 23 January 1984
PERCENT MOISTURE: —

Dilch

PP #	CAS #		ug/l or ug/kg (circle one)
(21A)	88-06-2	2,4,6- trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	10U
(24A)	95-57-8	2- chlorophenol	10U
(31A)	120-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2- nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	50U
(59A)	51-28-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-86-5	pentachlorophenol	10U
(65A)	108-95-2	phenol	10U
	65-85-0	benzoic acid	100U
	95-48-7	2-methylphenol	5U
	108-39-4	4-methylphenol	5U
	95-95-4	2,4,5-trichlorophenol	100U
(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenyl ether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U
(42B)	39638-32-9	bis (2-chloroisopropyl) ether	20U
(43B)	111-91-1	bis (2-chloroethoxy) methane	20U

PP #	CAS #		ug/l or ug/kg (circle one)
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodipropylamine	10U
(66B)	117-81-7	bis (2-ethylhexyl) phthalate	10KC
(67B)	85-68-7	benzyl butyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10K
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-32-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	218-01-9	chrysene	20U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	191-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	193-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U
	62-53-3	aniline	5U
	100-51-6	benzyl alcohol	20U
	106-47-8	4-chloroaniline	50U
	132-64-9	dibenzofuran	10U
	91-57-6	2-methylnaphthalene	20U
	88-74-4	2-nitroaniline	100U
	99-09-2	3-nitroaniline	100U
	100-01-6	4-nitroaniline	100U
		N-nitrosodimethylamine	10U

U.S. ENVIRONMENTAL PROTECTION AGENCY • CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 • 703/557-2490

Sample No.
E7168

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: 33215
Sample Matrix: Water
Data Release Authorized By: J Comer

Case No: 2315
QC Report No: 15
Contract No.: 68-01-6765
Date Sample Received: 30 December 1983

RECEIVED FEB 15 1984

VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: —
DATE ANALYZED: 4 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(2V)	107-02-8	acrolein	100U
(3V)	107-13-1	acrylonitrile	100U
(4V)	71-43-2	benzene	5U
(6V)	56-23-5	carbon tetrachloride	5U
(7V)	108-90-7	chlorobenzene	5U
(10V)	107-06-2	1,2-dichloroethane	1U
(11V)	71-55-6	1,1,1-trichloroethane	5U
(13V)	75-34-3	1,1-dichloroethane	5U
(14V)	79-00-5	1,1,2-trichloroethane	5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	10U
(16V)	75-00-3	chloroethane	10U
(19V)	110-75-8	2-chloroethylvinyl ether	10U
(23V)	67-66-3	chloroform	5U
(29V)	75-35-4	1,1-dichloroethene	5U
(30V)	156-60-5	trans-1,2-dichloroethene	5U
(32V)	78-87-5	1,2-dichloropropane	10U
(33V)	10061-02-6	trans-1,3-dichloropropene	5U
	10061-01-05	cis-1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	5U
(44V)	75-09-2	methylene chloride NDB	
(45V)	74-87-3	chloromethane	10U
(46V)	74-83-9	bromomethane	10U
(47V)	75-25-2	bromoform	10U
(48V)	75-27-4	bromodichloromethane	5U
~~(49V)~~	~~75-69-4~~	~~fluorotrichloromethane~~	~~5U~~
~~(50V)~~	~~75-71-8~~	~~dichlorodifluoromethane~~	~~5U~~
(51V)	124-48-1	chlorodibromomethane	5U
(85V)	127-18-4	tetrachloroethene NDB	
(86V)	108-88-3	toluene	5U
(87V)	79-01-6	trichloroethene	5U
(88V)	75-01-4	vinyl chloride	10U
	67-64-1	acetone NDB	
	78-93-3	2-butanone	5U
	75-15-0	carbondisulfide	1U
	519-78-6	2-hexanone	5U
	108-10-1	4-methyl-2-pentanone	5U
	100-42-5	styrene	5U
	108-05-4	vinyl acetate	5U
	1330-20-7	~~total~~ xylenes	5U

PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 2 February 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(89P)	309-00-2	aldrin	0.005U
(90P)	60-57-1	dieldrin	0.005U
(91P)	57-74-9	chlordane	0.050U
(92P)	50-29-3	4,4'-DDT	0.010U
(93P)	72-55-9	4,4'-DDE	0.005U
(94P)	72-54-8	4,4'-DDD	0.010U
(95P)	115-29-7	α-endosulfan	0.005U
(96P)	115-29-7	β-endosulfan	0.005U
(97P)	1031-07-8	endosulfan sulfate	0.010U
(98P)	72-20-8	endrin	0.005U
(99P)	7421-93-4	endrin aldehyde	0.010U
(100P)	76-44-8	heptachlor	0.005U
(101P)	1024-57-3	heptachlor epoxide	0.005U
(102P)	319-84-6	α-BHC 0.009	
(103P)	319-85-7	β-BHC	0.005U
(104P)	319-86-8	δ-BHC	0.005U
(105P)	58-89-9	γ-BHC (lindane)	0.005U
(106P)	53469-21-9	PCB-1242	0.05U
(107P)	11097-69-1	PCB-1254	0.100U
(108P)	11104-28-2	PCB-1221	0.100U
(109P)	11141-16-5	PCB-1232	0.100U
(110P)	12672-29-6	PCB-1248	0.100U
(111P)	11096-82-5	PCB-1260	0.200U
(112P)	12674-11-2	PCB-1016	0.050U
(113P)	8001-35-2	toxaphene	0.050U

DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 4 January 1984
DATE ANALYZED: 26 January 1984
PERCENT MOISTURE: —

PP #	CAS #		(ug/l or ug/kg) (circle one)
(129B)	1746-01-6	2,3,7,8-tetrachlorodibenzo-p-dioxin	0.005U

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
E 7168

Laboratory Name: Aquatec, Inc. Case No: 2315
QC Report No: 15

RECEIVED FEB 15 1984

B. Tentatively Identified Compounds

	CAS #	Compound Name	Fraction	Scan No. or Retention Time	% Maximum Score Attained Mass Matching Routine: (Specify: Purity)	Estimated Concentration (ug/L or ug/kg)
1.						
2.	98-54-4	4-(1,1-dimethylethyl)phenol	B/N/A	2411	39.9%	70
3.						
4.	–	Unknown a	B/N/A	4197	–	46
5.						
6.	107-46-0	Hexamethyldisiloxane	✓	472	80.5%	65
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						

6/82

J Comeau

FORM II (continued)