File- DHWR

FILE COPY

Tom Johnson - DEE
Voplex Corp. - Region 8

September 8, 1989

The attached table contains results for the samples taken at the above referenced facility on July 24, 1989. The analysis performed on the samples collected consisted of volatile organics on all five samples and E.P. Toxicity metals on all samples except #04.

The sample numbers and locations were as follows:

Sample # - PA-889-A27-01
Matrix - Sludge
Location - Underground tank

Sample # - PA-889-A27-02
Matrix - Sludge/Sediment
Location - Storm receiver at east side of parking area

Sample # - PA-889-A27-03
Matrix - Sludge/Sediment
Location - Outlet of storm drain at SE end of property

Sample # - PA-889-A27-04
Matrix - Soil/sludge
Location - Storm drain of loading dock nearest scupper drain

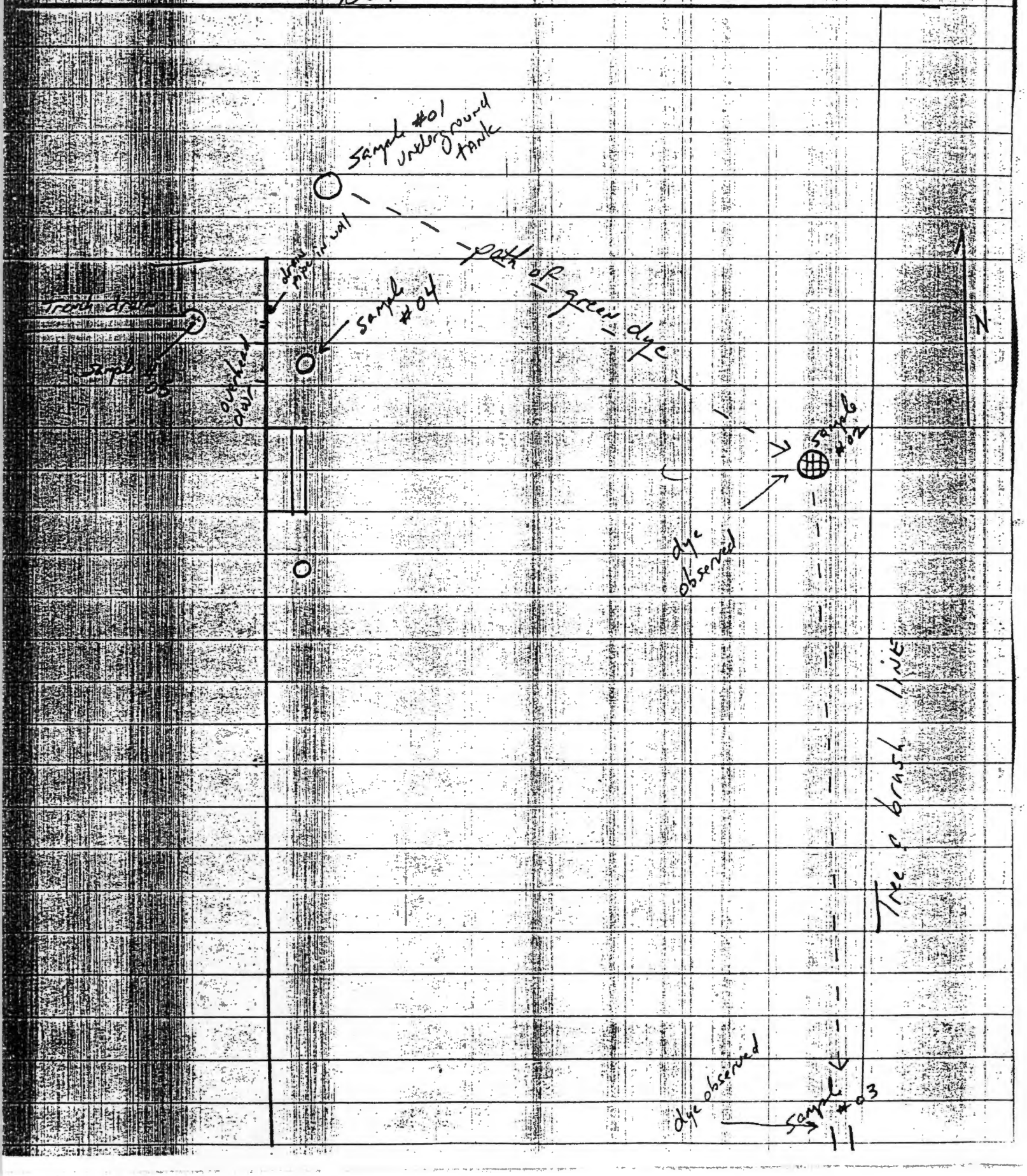
Sample # - PA-889-A27-05
Matrix - Sludge
Location - Settling basin attached to trench drain

TJ/mf

Attachment

5

Voplex - 103 North Street, Canandaigua



Sample # / Parameter(ppb)	#01	#02	#03	#04	#05
Acetone	28,000J	42B			1,500,000
2-Butanone	190,000B				260,000
Trichloroethene	31,000J	62		56,000	1,200,000
Tetrachloroethene	1400,000	50	54	170,000	13,000J
Toluene	9,100J	520		9,200	
Xylenes	30,000	180			
1,1-Dichloroethane		42			
1,1,1-Trichloroethane		62		12,000	
Styrene				20,000	
Ethylbenzene		41			
2-Hexanone		86			
Trans-1,2-Dichloroethene			95	62,000	
E.P. Toxicity(ppm)					
Barium	352,000	ND	ND	NA	25,000
Cadmium	ND	ND	ND	NA	565

ND - Non-detect
NA - Not analyzed
B - Contamination found in laboratory blank
J - Indicates an estimated value

The E.P. Toxicity results show that levels of metals from the sludge in the underground tank and the settling basin inside of the building contained hazardous levels of barium and cadmium.

Volatile organic compounds were also present at significant levels in the underground tank and in the settling basin. Residual from the contaminants was detected in the storm sewer system and the storm receiver in the loading dock area.

TJ/mf
9/8/89

RECEIVED

AUG 2 5 1989

TECHNICAL SERVICES & RESEAF
DIVISION OF WATER

ANALYTICAL RESULTS FOR

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

RECEIVED

SEP 5 1989

N.Y.S. DEPT. OF
ENVIRONMENTAL CONSERVATION
DIV. ENVIRONMENTAL ENFORCEMENT
BUFFALO FIELD UNIT

aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403

TEL. 802/658-1074

NARRATIVE

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

ENVIRONMENTAL SERVICES

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

August 24, 1989

RECEIVED
AUG 25 1989
TECHNICAL SERVICES & RESEA
DIVISION OF WATER

Mr. John M. Ryan, Chief
Analytical Services Section
Bureau of Water Research
New York State Department of
Environmental Conservation
50 Wolf Road, Room 301
Albany, NY 12233-3502

Re: Aquatec Project No. 87006
New York State Contract No. C-001762
ETR No. 17883, Case No. PA889, SDG No. A27

Dear Mr. Ryan:

Enclosed are the analytical results for the samples received from the New York State Department of Environmental Conservation.

The samples were received intact by Aquatec on July 26, 1989.

For the samples received, laboratory numbers were assigned and designated as follows:

N.Y. State	Aquatec	Sample Matrix
01	100856	Sludge
01	100857	EPTox Extract
02	100858	Sludge
02	100859	EPTox Extract
03	100860	Sludge/Soil
03	100861	EPTox Extract
04	100862	Soil/Sludge
05	100863	Sludge
05	100864	EPTox Extract

Sample portions used for the quality control analysis were independently logged into the laboratory for the purposes of internal sample tracking.

Total ion peak heights were used for the purpose of evaluating and quantitating "Tentatively Identified Compounds" associated with these samples.

Because of the common occurrence of mass 43 with low molecular weight hydrocarbons, the laboratory has used mass 58 as the quantitation ion for acetone in the volatile organics analysis of the samples.

000001

High concentrations of late eluting hydrocarbons acted as interferences in evaluating the recovery of bromofluorobenzene in the volatile organics analysis of sample 03. Using primary ion quantitation, surrogate recoveries were higher than the limit normally adhered to for a soil matrix. Quantitation was performed using secondary ion quantitation and the derived recoveries of bromofluorobenzene fell within the established range.

Samples 01, 04, and 05 were analyzed by the medium level method for volatile organics. Each of the samples required additional dilutions of the prepared extracts for analysis. The surrogates were effectively diluted out of the analysis of samples 01 and 05 and the matrix spikes were diluted out of the prepared extracts from sample 01. In an attempt to get some useful matrix information, the matrix analyses were repeated on sample 04.

The initial analysis of sample 04 identified perchloroethylene at a high concentration. The matrix analyses of this sample yielded lower concentrations of perchloroethylene. This is most likely due to loss of perchloroethylene with time in the headspace of the jar in which the sample was collected.

Sincerely,

Joseph Comeau

Joseph K. Comeau, Ph.D.
Laboratory Director

JKC/lam

Enclosure

87006B24AUG89

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

ANALYTICAL REPORT

New York State Department of
Environmental Conservation

Case #PA889, SDG #A27

Date: 11 August 1989
Project No: 87006
ETR No: 17883
Sample(s) Received On: 26 July 1989
Page of

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Parameter	100857	100859	100861	100868	100864	Blank		
Arsenic	<100	<200	<100	<100	<100	<100		
Barium	352000	<10000	<10000	<10000	25000	<10000		
Cadmium	<100	<100	<100	<100	565	<100		
Chromium	<1000	<1000	<1000	<1000	<1000	<1000		
Lead	<1000	<1000	<1000	<1000	<1000	<1000		
Mercury	<40	<40	<40	<40	<40	<40		
Selenium	<100	<100	<100	<100	<100	<100		
Silver	<1000	<1000	<1000	<1000	<1000	<1000		

Lab No.	Sample Description
100857.	EP Tox extract of sludge sample labeled 01, dated 7/24/89 at 1100 hours.
100859.	EP Tox extract of sludge sample labeled 02, dated 7/24/89 at 1122 hours.
100861.	EP Tox extract of sludge/soil labeled 03, dated 7/24/89 at 1153 hours.
100868.	Replicate of sample labeled 03.
100864.	EP Tox extract of sludge sample labeled 05, dated 7/24/89 at 1250 hours.

Note: Results are reported in µg/L.

000009

Submitted By: Joseph Comeau

Aquatec Inc.

NYS Sample Number
01

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: 100856

Contract No: C-CC17762

Sample Matrix: SOIL/SLUDGE

Project No: E7CC6

Date Sample Received: 07/26/89

ETR No: 17883

Data Release Authorized By:

Case No: PA889

Volatile Compounds

Concentration: Low (Medium) (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 08/04/89

Conc/Dil Factor: 7138.4 pH ----

Percent Moisture: (Not Decanted) 46.45

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	71000	U
74-83-9	Bromomethane	71000	U
75-01-4	Vinyl Chloride	71000	U
75-00-3	Chloroethane	71000	U
75-09-2	Methylene Chloride	36000	U
67-64-1	Acetone	28000	J
75-15-0	Carbon Disulfide	36000	U
75-35-4	1,1-Dichloroethene	36000	U
75-34-3	1,1-Dichloroethane	36000	U
156-60-5	Trans-1,2-Dichloroethene	36000	U
67-66-3	Chloroform	36000	U
107-06-2	1,2-Dichloroethane	36000	U
78-93-3	2-Butanone	190000	B
71-55-6	1,1,1-Trichloroethane	36000	U
56-23-5	Carbon Tetrachloride	36000	U
108-05-4	Vinyl Acetate	71000	U
75-27-4	Bromodichloromethane	36000	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	36000	U
10061-02-6	Trans-1,3-Dichloropropene	36000	U
79-01-6	Trichloroethene	31000	J
124-48-1	Dibromochloromethane	36000	U
79-00-5	1,1,2-Trichloroethane	36000	U
71-43-2	Benzene	36000	U
10061-01-5	cis-1,3-Dichloropropene	36000	U
110-75-8	2-Chloroethylvinylether	71000	U
75-25-2	Bromoform	36000	U
591-78-6	2-Hexanone	71000	U
108-10-1	4-Methyl-2-Pentanone	71000	U
127-18-4	Tetrachloroethene	1400000	
79-34-5	1,1,2,2-Tetrachloroethane	36000	U
108-88-3	Toluene	9100	J
108-90-7	Chlorobenzene	36000	U
100-41-4	Ethylbenzene	36000	U
100-42-5	Styrene	36000	U
	Total Xylenes	30000	J

Data Reporting Qualifiers

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

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

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

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

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

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

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

000010

NYS Sample Number
01

100856

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

NYS Sample Number
02

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Contract No: C-001762

Project No: 87006

ETR No: 17883

Case NO: PA009

Lab Sample ID No: 100858

Sample Matrix: Soil / SLUDGE

Date Sample Received: 07/26/89

Data Release Authorized By:

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 08/08/89

Conc/Dil Factor: 2.954 pH ----

Percent Moisture: (Not Decanted) 25.43

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	30	U
74-83-9	Bromomethane	30	U
75-01-4	Vinyl Chloride	7	J
75-00-3	Chloroethane	30	U
75-09-2	Methylene Chloride	10	JB
67-64-1	Acetone	42	B
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	42	
156-60-5	Trans-1,2-Dichloroethene	12	J
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	30	U
71-55-6	1,1,1-Trichloroethane	62	
56-23-5	Carbon Tetrachloride	15	U
108-05-4	Vinyl Acetate	30	U
75-27-4	Bromodichloromethane	15	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	15	U
10061-02-6	Trans-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	62	
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
110-75-8	2-Chloroethylvinylether	30	U
75-25-2	Bromoform	15	U
591-78-6	2-Hexanone	86	
108-10-1	4-Methyl-2-Pentanone	30	U
127-18-4	Tetrachloroethene	50	
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	520	
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	41	
100-42-5	Styrene	15	U
	Total Xylenes	180	

Data Reporting Qualifiers

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

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

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

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

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

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

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

000012

NYS Sample Number
02

100858

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.	108-87-2	METHYLCYCLOHEXANE	VOA	346	66 J
2.		UNKNOWN ALKANE	VOA	390	90 J
3.		UNKNOWN ALKANE	VOA	399	47 J
4.		UNKNOWN C9-HYDROCARBON	VOA	414	24 J
5.		UNKNOWN	VOA	499	34 J
6.		UNKNOWN HYDROCARBON	VOA	572	45 J
7.		UNKNOWN	VOA	630	32 J
8.		UNKNOWN HYDROCARBON	VOA	647	43 J
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

NYS Sample Number
03

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: 100860

Contract No: C-001762

Sample Matrix: Soil/SLUDGE

Project No: 87006

Date Sample Received: 07-26-89

ETR No: 17883

Data Release Authorized By:

Case No: PA889

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 08-09-89

Conc/Dil Factor: 8.392 pH ----

Percent Moisture: (Not Decanted) 41.01

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	84	U
74-83-9	Bromomethane	84	U
75-01-4	Vinyl Chloride	84	U
75-00-3	Chloroethane	84	U
75-09-2	Methylene Chloride	14	J
67-64-1	Acetone	70	JB
75-15-0	Carbon Disulfide	42	U
75-35-4	1,1-Dichloroethene	42	U
75-34-3	1,1-Dichloroethane	42	U
156-60-5	Trans-1,2-Dichloroethene	9	J
67-66-3	Chloroform	42	U
107-06-2	1,2-Dichloroethane	42	U
78-93-3	2-Butanone	84	U
71-55-6	1,1,1-Trichloroethane	42	U
56-23-5	Carbon Tetrachloride	42	U
108-05-4	Vinyl Acetate	84	U
75-27-4	Bromodichloromethane	42	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	42	U
10061-02-6	Trans-1,3-Dichloropropene	42	U
79-01-6	Trichloroethene	42	U
124-48-1	Dibromochloromethane	42	U
79-00-5	1,1,2-Trichloroethane	42	U
71-43-2	Benzene	42	U
10061-01-5	cis-1,3-Dichloropropene	42	U
110-75-8	2-Chloroethylvinylether	84	U
75-25-2	Bromoform	42	U
591-78-6	2-Hexanone	84	U
108-10-1	4-Methyl-2-Pentanone	84	U
127-18-4	Tetrachloroethene	54	
79-34-5	1,1,2,2-Tetrachloroethane	42	U
108-88-3	Toluene	42	U
108-90-7	Chlorobenzene	42	U
100-41-4	Ethylbenzene	42	U
100-42-5	Styrene	42	U
	Total Xylenes	42	U

Data Reporting Qualifiers

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

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

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

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

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

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

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

000014

NYS Sample Number
03

100860

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.		UNKNOWN C9-HYDROCARBON	VOA	479	330 J
2.		UNKNOWN ETHYLMETHYLBENZENE	VOA	501	420 J
3.		UNKNOWN C10-HYDROCARBON	VOA	511	450 J
4.		UNKNOWN C9-HYDROCARBON	VOA	543	790 J
5.		UNKNOWN C10-HYDROCARBON	VOA	571	1700 J
6.		UNKNOWN	VOA	597	200 J
7.	91-17-8	DECAHYDRONAPHTHALENE	VOA	631	470 J
8.		UNKNOWN	VOA	646	370 J
9.		UNKNOWN SUBSTITUTED BENZENE	VOA	671	240 J
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
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19.					
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22.					
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25.					
26.					
27.					
28.					
29.					
30.					

NYS Sample Number
04 SOIL/SLUDGE

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: 100862

Contract No: C-001762

Sample Matrix: Soil/SLUDGE

Project No: 87006

Date Sample Received: 07-26-89

ETR No: 17883

Data Release Authorized By:

Case NO: PA089

Volatile Compounds

Concentration: Low (Medium) (Circle One)

Date Extracted/Prepared:

Date Analyzed: 08-07-89

Con(c)/Dil Factor: 941.3 pH ----

Percent Moisture: (Not Decanted) 38.52

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	9400	U
74-83-9	Bromomethane	9400	U
75-01-4	Vinyl Chloride	9400	U
75-00-3	Chloroethane	9400	U
75-09-2	Methylene Chloride	14000	B
67-64-1	Acetone	9400	U
75-15-0	Carbon Disulfide	4700	U
75-35-4	1,1-Dichloroethene	4700	U
75-34-3	1,1-Dichloroethane	4700	U
156-60-5	Trans-1,2-Dichloroethene	62000	
67-66-3	Chloroform	4700	U
107-06-2	1,2-Dichloroethane	4700	U
78-93-3	2-Butanone	52000	B
71-55-6	1,1,1-Trichloroethane	12000	
56-23-5	Carbon Tetrachloride	4700	U
108-05-4	Vinyl Acetate	9400	U
75-27-4	Bromodichloromethane	4700	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	4700	U
10061-02-6	Trans-1,3-Dichloropropene	4700	U
79-01-6	Trichloroethene	56000	
124-48-1	Dibromochloromethane	4700	U
79-00-5	1,1,2-Trichloroethane	4700	U
71-43-2	Benzene	4700	U
10061-01-5	cis-1,3-Dichloropropene	4700	U
110-75-8	2-Chloroethylvinylether	9400	U
75-25-2	Bromoform	4700	U
591-78-6	2-Hexanone	9400	U
108-10-1	4-Methyl-2-Pentanone	9400	U
127-18-4	Tetrachloroethene	170000	
79-34-5	1,1,2,2-Tetrachloroethane	4700	U
108-88-3	Toluene	9200	
108-90-7	Chlorobenzene	4700	U
100-41-4	Ethylbenzene	4700	U
100-42-5	Styrene	20000	
	Total Xylenes	4700	U

Data Reporting Qualifiers

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

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

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

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

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

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

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

NYS Sample Number
04 SOIL/SLUDGE

100862

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.		UNKNOWN HYDROCARBON	VOA	624	5500 J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
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21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

000017

NYS Sample Number
05

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: 100863

Contract No: C-001762

Sample Matrix: Soil/SLUDGE

Project No: 87006

Date Sample Received: 07-26-89

ETR No: 17883

Data Release Authorized By:

Case NO: PA889

Volatile Compounds

Concentration: Low (Medium) (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: 08-04-89

Con(/Dil Factor: 10109.7 · pH ----

Percent Moisture: (Not Decanted) 54.73

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	100000	U
74-83-9	Bromomethane	100000	U
75-01-4	Vinyl Chloride	100000	U
75-00-3	Chloroethane	100000	U
75-09-2	Methylene Chloride	51000	U
67-64-1	Acetone	1500000	
75-15-0	Carbon Disulfide	51000	U
75-35-4	1,1-Dichloroethene	51000	U
75-34-3	1,1-Dichloroethane	51000	U
156-60-5	Trans-1,2-Dichloroethene	51000	U
67-66-3	Chloroform	51000	U
107-06-2	1,2-Dichloroethane	51000	U
78-93-3	2-Butanone	260000	B
71-55-6	1,1,1-Trichloroethane	51000	U
56-23-5	Carbon Tetrachloride	51000	U
108-05-4	Vinyl Acetate	100000	U
75-27-4	Bromodichloromethane	51000	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	51000	U
10061-02-6	Trans-1,3-Dichloropropene	51000	U
79-01-6	Trichloroethene	1200000	
124-48-1	Dibromochloromethane	51000	U
79-00-5	1,1,2-Trichloroethane	51000	U
71-43-2	Benzene	51000	U
10061-01-5	cis-1,3-Dichloropropene	51000	U
110-75-8	2-Chloroethylvinylether	100000	U
75-25-2	Bromoform	51000	U
591-78-6	2-Hexanone	100000	U
108-10-1	4-Methyl-2-Pentanone	100000	U
127-18-4	Tetrachloroethene	13000	J
79-34-5	1,1,2,2-Tetrachloroethane	51000	U
108-88-3	Toluene	51000	U
108-90-7	Chlorobenzene	51000	U
100-41-4	Ethylbenzene	51000	U
100-42-5	Styrene	51000	U
	Total Xylenes	51000	U

Data Reporting Qualifiers

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

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

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

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

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

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

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

000015

NYS Sample Number
05

100863

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
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30.				

NYS Sample Number
VBLKP6

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: CFLB002AV

Contract No: C-001762

Sample Matrix: Soil / SLUDGE

Project No: 07006

Date Sample Received: _____

ETR No: 17883

Data Release Authorized By: _____

Case No: PA089

Volatile Compounds

Concentration: Low (Medium) (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: 08-04-89

Con/Dil Factor: 125 / pH ----

Percent Moisture: (Not Decanted) N/A

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	630	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	630	U
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-5	Trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
78-93-3	2-Butanone	3100	
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon Tetrachloride	630	U
108-05-4	Vinyl Acetate	1300	U
75-27-4	Bromodichloromethane	630	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	630	U
10061-02-6	Trans-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
110-75-8	2-Chloroethylvinylether	1300	U
75-25-2	Bromoform	630	U
591-78-6	2-Hexanone	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
100-42-5	Styrene	630	U
	Total Xylenes	630	U

Data Reporting Qualifiers

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

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

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

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

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

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

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

NYS Sample Number

VBLKP6

CFLB002AV

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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NYS Sample Number
VBLK

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: CFMB001BV

Contract No: C-001762

Sample Matrix: Soil / SLUDGE

Project No: 87006

Date Sample Received:

ETR No: 17883

Data Release Authorized By:

Case No: PA889

Volatile Compounds

Concentration: Low (Medium) (Circle One)

Date Extracted/Prepared:

Date Analyzed: 08-07-89

Conc/Dil Factor: 125 pH ----

Percent Moisture: (Not Decanted) N/A

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	110	J
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	630	U
75-35-4	1,1-Dichloroethene	630	U
75-34-3	1,1-Dichloroethane	630	U
156-60-5	Trans-1,2-Dichloroethene	630	U
67-66-3	Chloroform	630	U
107-06-2	1,2-Dichloroethane	630	U
78-93-3	2-Butanone	2900	
71-55-6	1,1,1-Trichloroethane	630	U
56-23-5	Carbon Tetrachloride	630	U
108-05-4	Vinyl Acetate	1300	U
75-27-4	Bromodichloromethane	630	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	630	U
10061-02-6	Trans-1,3-Dichloropropene	630	U
79-01-6	Trichloroethene	630	U
124-48-1	Dibromochloromethane	630	U
79-00-5	1,1,2-Trichloroethane	630	U
71-43-2	Benzene	630	U
10061-01-5	cis-1,3-Dichloropropene	630	U
110-75-8	2-Chloroethylvinylether	1300	U
75-25-2	Bromoform	630	U
591-78-6	2-Hexanone	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
127-18-4	Tetrachloroethene	630	U
79-34-5	1,1,2,2-Tetrachloroethane	630	U
108-88-3	Toluene	630	U
108-90-7	Chlorobenzene	630	U
100-41-4	Ethylbenzene	630	U
100-42-5	Styrene	630	U
	Total Xylenes	630	U

Data Reporting Qualifiers

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

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

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

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

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

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

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

NYS Sample Number
VBLK

CFMB001BV

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

NYS Sample Number
VBLKP9

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: DGIB002DV
Contract No: C-001762
Sample Matrix: Soil/SLUDGE
Project No: 87006
Date Sample Received:
ETR No: 17883
Data Release Authorized By:
Case No: PA889

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: -----
Date Analyzed: 08-08-89
Conc/Dil Factor: 1.0 pH ----
Percent Moisture: (Not Decanted) N/A

CAS Number		ug/l or (ug/Kg) (Circle One)	
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	.8	J
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-60-5	Trans-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U

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

Data Reporting Qualifiers

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

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

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

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

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

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

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

NYS Sample Number

VBLKP9

DGIB002DV

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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NYS Sample Number
VBLKQ2

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: DGIB002GV
Contract No: C-001762
Sample Matrix: Soil / SLUDGE
Project No: 87006
Date Sample Received: _____
ETR No: 17883
Data Release Authorized By: _____
Case No: PA089

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: -----
Date Analyzed: 08-09-89
Conc/Dil Factor: 1.0 pH ----
Percent Moisture: (Not Decanted) N/A

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

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

Data Reporting Qualifiers

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

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

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

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

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

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

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

NYS Sample Number

VBLKQ2

DGIB002GV

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or (Scan) Number	Estimated Concentration (ug/l or (ug/kg))
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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NYS Sample Number
MS
02MS

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: SEE ID BELOW

Contract No: C-001762

Sample Matrix: Soil / SLUDGE

Project No: 87006

Date Sample Received: 07-26-89

ETR No: 17883

Data Release Authorized By:

Case No: PA889

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: -----

Date Analyzed: 08-08-89

Conc/Dil Factor: 2.967 pH ----

101510

Percent Moisture: (Not Decanted) 25.43

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	30	U
74-83-9	Bromomethane	30	U
75-01-4	Vinyl Chloride	4	J
75-00-3	Chloroethane	30	U
75-09-2	Methylene Chloride	10	JB
67-64-1	Acetone	73	B
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	*	
75-34-3	1,1-Dichloroethane	38	
156-60-5	Trans-1,2-Dichloroethene	11	J
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	30	U
71-55-6	1,1,1-Trichloroethane	62	
56-23-5	Carbon Tetrachloride	15	U
108-05-4	Vinyl Acetate	30	U
75-27-4	Bromodichloromethane	15	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	15	U
10061-02-6	Trans-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	*	
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	*	
10061-01-5	cis-1,3-Dichloropropene	15	U
110-75-8	2-Chloroethylvinylether	30	U
75-25-2	Bromoform	15	U
591-78-6	2-Hexanone	30	U
108-10-1	4-Methyl-2-Pentanone	30	U
127-18-4	Tetrachloroethene	49	
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	*	
108-90-7	Chlorobenzene	*	
100-41-4	Ethylbenzene	43	
100-42-5	Styrene	15	U
	Total Xylenes	190	

* Matrix spike compound

Data Reporting Qualifiers

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

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

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

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

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

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

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

000028

NYS Sample Number
MS

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

04MS SOIL/SLUDGE

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: SEE ID BELOW

Contract No: C-001762

Sample Matrix: Soil/SLUDGE

Project No: 87006

Date Sample Received: 07-26-89

ETR No: 17883

Data Release Authorized By:

Case No: PAE89

Volatile Compounds

Concentration: Low (Medium) (Circle One)

Date Extracted/Prepared:

Date Analyzed: 08-07-89

Con/Dil Factor: 934.8 pH ----

100865

Percent Moisture: (Not Decanted) 38.52

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	9300	U
74-83-9	Bromomethane	9300	U
75-01-4	Vinyl Chloride	9300	U
75-00-3	Chloroethane	9300	U
75-09-2	Methylene Chloride	1700	JB
67-64-1	Acetone	9300	U
75-15-0	Carbon Disulfide	4700	U
75-35-4	1,1-Dichloroethene	*	
75-34-3	1,1-Dichloroethane	4700	U
156-60-5	Trans-1,2-Dichloroethene	6000	
67-66-3	Chloroform	4700	U
107-06-2	1,2-Dichloroethane	4700	U
78-93-3	2-Butanone	19000	B
71-55-6	1,1,1-Trichloroethane	1900	J
56-23-5	Carbon Tetrachloride	4700	U
108-05-4	Vinyl Acetate	9300	U
75-27-4	Bromodichloromethane	4700	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	4700	U
10061-02-6	Trans-1,3-Dichloropropene	4700	U
79-01-6	Trichloroethene	*	
124-48-1	Dibromochloromethane	4700	U
79-00-5	1,1,2-Trichloroethane	4700	U
71-43-2	Benzene	*	
10061-01-5	cis-1,3-Dichloropropene	4700	U
110-75-8	2-Chloroethylvinylether	9300	U
75-25-2	Bromoform	4700	U
591-78-6	2-Hexanone	9300	U
108-10-1	4-Methyl-2-Pentanone	9300	U
127-18-4	Tetrachloroethene	1100	J
79-34-5	1,1,2,2-Tetrachloroethane	4700	U
108-88-3	Toluene	*	
108-90-7	Chlorobenzene	*	
100-41-4	Ethylbenzene	4700	U
100-42-5	Styrene	4700	U
	Total Xylenes	4700	U

* Matrix spike compound

Data Reporting Qualifiers

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

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

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

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

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

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

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

000029

NYS Sample Number
MSD
02MSD

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

Laboratory Name: Aquatec, Inc.
Lab Sample ID No: SEE ID BELOW
Contract No: C-001762
Sample Matrix: Soil/SLUDGE
Project No: 87006
Date Sample Received: 07-26-89
ETR No: 17883
Data Release Authorized By:
Case No: PA089

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: -----
Date Analyzed: 08-08-89
Conc/Dil Factor: 3.034 pH ----
101511
Percent Moisture: (Not Decanted) 25.43

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	30	U
74-83-9	Bromomethane	30	U
75-01-4	Vinyl Chloride	4	J
75-00-3	Chloroethane	30	U
75-09-2	Methylene Chloride	8	JB
67-64-1	Acetone	83	B
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	*	
75-34-3	1,1-Dichloroethane	29	
156-60-5	Trans-1,2-Dichloroethene	9	J
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	30	U
71-55-6	1,1,1-Trichloroethane	34	
56-23-5	Carbon Tetrachloride	15	U
108-05-4	Vinyl Acetate	30	U
75-27-4	Bromodichloromethane	15	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	15	U
10061-02-6	Trans-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	*	
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	*	
10061-01-5	cis-1,3-Dichloropropene	15	U
110-75-8	2-Chloroethylvinylether	30	U
75-25-2	Bromoform	15	U
591-78-6	2-Hexanone	30	U
108-10-1	4-Methyl-2-Pentanone	30	U
127-18-4	Tetrachloroethene	26	
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	*	
108-90-7	Chlorobenzene	*	
100-41-4	Ethylbenzene	22	
100-42-5	Styrene	15	U
	Total Xylenes	110	

* Matrix spike compound

Data Reporting Qualifiers

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

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

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

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

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

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

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

000030

NYS Sample Number
MSD

Organics Analysis Data Sheet

For

New York State Department of Environmental Conservation

04MSD SOIL/SLUDGE

Laboratory Name: Aquatec, Inc.

Lab Sample ID No: SEE ID BELOW

Contract No: C-001762

Sample Matrix: Soil/SLUDGE

Project No: 87006

Date Sample Received: 07-26-89

ETR No: 17883

Data Release Authorized By:

Case NO: PH889

Volatile Compounds

Concentration: Low (Medium) (Circle One)

Date Extracted/Prepared: _____

Date Analyzed: 08-07-89

Con(/Dil) Factor: 934.8 - pH ----

100866

Percent Moisture: (Not Decanted) 38.52

CAS Number		ug/l or (ug/Kg) (Circle One)	
74-87-3	Chloromethane	9300	U
74-83-9	Bromomethane	9300	U
75-01-4	Vinyl Chloride	9300	U
75-00-3	Chloroethane	9300	U
75-09-2	Methylene Chloride	890	JB
67-64-1	Acetone	9300	U
75-15-0	Carbon Disulfide	4700	U
75-35-4	1,1-Dichloroethene	*	
75-34-3	1,1-Dichloroethane	4700	U
156-60-5	Trans-1,2-Dichloroethene	4000	J
67-66-3	Chloroform	4700	U
107-06-2	1,2-Dichloroethane	4700	U
78-93-3	2-Butanone	21000	B
71-55-6	1,1,1-Trichloroethane	1600	J
56-23-5	Carbon Tetrachloride	4700	U
108-05-4	Vinyl Acetate	9300	U
75-27-4	Bromodichloromethane	4700	U

CAS Number		ug/l or (ug/Kg) (Circle One)	
78-87-5	1,2-Dichloropropane	4700	U
10061-02-6	Trans-1,3-Dichloropropene	4700	U
79-01-6	Trichloroethene	*	
124-48-1	Dibromochloromethane	4700	U
79-00-5	1,1,2-Trichloroethane	4700	U
71-43-2	Benzene	*	
10061-01-5	cis-1,3-Dichloropropene	4700	U
110-75-8	2-Chloroethylvinylether	9300	U
75-25-2	Bromoform	4700	U
591-78-6	2-Hexanone	9300	U
108-10-1	4-Methyl-2-Pentanone	9300	U
127-18-4	Tetrachloroethene	950	J
79-34-5	1,1,2,2-Tetrachloroethane	4700	U
108-88-3	Toluene	*	
108-90-7	Chlorobenzene	*	
100-41-4	Ethylbenzene	4700	U
100-42-5	Styrene	4700	U
	Total Xylenes	4700	U

* Matrix spike compound

Data Reporting Qualifiers

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

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

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

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

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

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

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