10-2-12

Iowa department of water, air and waste management

November 28, 1984

RECORD COPY

File Name Atlantic Pws 161154

Senders Initials

Atlantic Water
IAD039954300
1.3
IDWSWM
11-28-84

Board of Trustees
Atlantic Municipal Waterworks
15 W. 3rd St.
Atlantic, Iowa 50022

RE: Synthetic Organic Compound Study

Dear Board Members:

We appreciate the assistance you provided our regional staff during the recent sampling of your water system. The purpose of the sampling was to determine if any synthetic organic compounds were present in your drinking water sources. The attached analytical results indicate the following organic compounds were detected:

Sample Location	Organic Compound	Concentration In Parts Per Billion
Well #2	1,1 Dichloroethane	1
Well #2	Trichloroethene	Detected Only
Well #3	Chloroform	Detected Only
Well #3	1,2 Dichloroethane	Detected Only
Well #3	Trichloroethene	Detected Only
Well #3	Tetrachloroethene	2
Well #7	Trans 1,2 Dichloroethene	Detected Only
Well #7	Chloroform	Detected Only
Well #7	Trichloroethene	2
Well #7	Tetrachloroethene	260
Well #7	Atrazine	1.7
Well #8	Chloroform	Detected Only
Well #8	Tetrachloroethene	Detected Only
Well #9	Tetrachloroethene	Detected Only
Well #12	Tetrachloroethene	Detected Only

We feel it is necessary to conduct additional monitoring to determine if the contaminants are present in the finished drinking water. I have requested our Atlantic regional office staff to conduct the sampling in the very near future.

Thanks in advance for your cooperation. Please contact me directly if you have any questions concerning this letter.

Sincerely,

FIELD SERVICES DIVISION

James R. Humeston
Central Assistance Branch

A720 1.0
60-60 161154
SUPERFUND RECORDS

JRH:blb/FSW321D01.01
cc: Region 4
Ivan Schwabbauer, University Hygienic Laboratory - Iowa City, Iowa

henry a wallace building • 900 east grand • des moines, iowa 50319 • 515/281-8690

RECEIVED

'84 NOV 5 AM 11 21

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 2
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4402

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
chloromethane	<1	± 10%	86	1
bromomethane	<1	± 9%	99	1
vinyl chloride	<1	± 8%	102	1
chloroethane	<1	± 12%	99	1
methylene chloride	<1	± 10%	77	1
1,1-dichloroethene	<1	± 10%	97	1
1,1-dichloroethane	1	± 4%	100	1
trans-1,2-dichloroethene	<1	± 10%	76	1
chloroform	<1	± 3%	99	1
1,2-dichloroethane	<1	± 3%	92	1
1,1,1,-trichloroethane	<1	± 2%	110	1
carbon tetrachloride	<1	± 5%	104	1
bromodichloromethane	<1	± 3%	96	1
1,2-dichloropropane	<1	± 2%	87	1
trans-1,3-dichloropropene	<1	± 4%	86	1
trichloroethene	<1*	± 7%	69	1
dibromochloromethane	<1	± 11%	92	1

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: [illegible]
Date Reported: 9/10/84

* compound detected but below quantitation limit

D30/augsoc25

UNIVERSITY HYGIENIC LABORATORY
UNIVERSITY OF IOWA
OAKDALE HALL
IOWA CITY, IOWA 52242

CLIENT WAWM - SOC

SITE Atlantic PRIMARY LAB ID 4-4406

SPECIFIC SAMPLING LOCATION Well No. 7 SECONDARY ID

PESTICIDE COMPOUNDS

Compound	Concentration (µg/L)	Compound	Concentration (µg/L)
Aldrin (HHDN)	<0.02	Toxaphene (polychlorocamphene)	<0.6
alpha-BHC (α Benzene Hexachloride)	<0.01	Dyfonate (Fonofos)	<0.1
beta-BHC (β Benzene Hexachloride)	<0.02	Counter (Terbufos)	<0.1
delta-BHC (δ Benzene Hexachloride)	<0.02	Lorsban (Chlorpyrifos)	<0.1
gamma-BHC (Lindane)	<0.01	Thimet (Phorate)	<0.1
Chlordane	<0.1	MoCap (Ethoprop)	<0.1
DDD (TDE)	<0.04	→ Atrazine (AAtrex)	1.7
DDE	<0.02	Bladex (Cyanazine)	<0.08
DDT (Dichlorodiphenyltrichloroethane)	<0.04	Lasso (Alaclor)	<0.08
Dieldrin (HEOD)	<0.02	Treflan (Trifluralin)	<0.02
Endosulfan I (Thiodan I)	<0.02	Sencor (Metribuzin)	<0.01
Endosulfan II (Thiodan II)	<0.04	Dual (Metolachlor)	<0.1
Endosulfan sulfate	<0.02	Prowl (Pendimethalin)	<0.02
Endrin (Endrex)	<0.04	Amiben (Chloramben)	<0.07
Endrin aldehyde	<0.05	Banvel (Dicamba)	<0.07
Heptachlor	<0.01	2,4-D	<0.07
Heptachlor epoxide	<0.02	Silvex	<0.05

D24/p4-4406
102684

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 7
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4406

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
cis-1,3-dichloropropene	<1	± 7%	80	1
1,1,2-trichloroethane	<1	± 8%	92	1
benzene	<1	± 3%	96	1
2-chloroethylvinyl ether	<5	± 23%	84	5
bromoform	<1	± 16%	96	1
→ tetrachloroethene	260	± 5%	94	1
1,1,2,2-tetrachloroethane	<1	± 12%	98	1
toluene	<1	± 5%	87	1
chlorobenzene	<1	± 9%	88	1
ethylbenzene	<1	± 8%	88	1
acrolein	<25	ND	ND	25
acrylonitrile	<25	ND	ND	25

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: [illegible]
Date Reported: 9/10/84

ND = Not Determined

D30/augsoc32

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'84 NOV 6 AM 11 21
DEPARTMENT OF
HAZARDOUS WASTE
MANAGEMENT

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 7
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4406

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
chloromethane	<1	± 10%	86	1
bromomethane	<1	± 9%	99	1
vinyl chloride	<1	± 8%	102	1
chloroethane	<1	± 12%	99	1
methylene chloride	<1	± 10%	77	1
1,1-dichloroethene	<1	± 10%	97	1
1,1-dichloroethane	<1	± 4%	100	1
trans-1,2-dichloroethene	<1*	± 10%	76	1
chloroform	<1*	± 3%	99	1
1,2-dichloroethane	<1	± 3%	92	1
1,1,1,-trichloroethane	<1	± 2%	110	1
carbon tetrachloride	<1	± 5%	104	1
bromodichloromethane	<1	± 3%	96	1
1,2-dichloropropane	<1	± 2%	87	1
trans-1,3-dichloropropene	<1	± 4%	86	1
trichloroethene	2	± 7%	69	1
dibromochloromethane	<1	± 11%	92	1

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: [illegible]
Date Reported: 9/10/84

* compound detected but below quantitation limit

D30/augsoc31

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 2
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4402

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
cis-1,3-dichloropropene	<1	± 7%	80	1
1,1,2-trichloroethane	<1	± 8%	92	1
benzene	<1	± 3%	96	1
2-chloroethylvinyl ether	<5	± 23%	84	5
bromoform	<1	± 16%	96	1
tetrachloroethene	<1	± 5%	94	1
1,1,2,2-tetrachloroethane	<1	± 12%	98	1
toluene	<1	± 5%	87	1
chlorobenzene	<1	± 9%	88	1
ethylbenzene	<1	± 8%	88	1
acrolein	<25	ND	ND	25
acrylonitrile	<25	ND	ND	25

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: DL
Date Reported: 9/10/84

ND = Not Determined

D30/augsoc26

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DEPARTMENT OF WATER AND WASTE

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 3
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4404

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
chloromethane	<1	± 10%	86	1
bromomethane	<1	± 9%	99	1
vinyl chloride	<1	± 8%	102	1
chloroethane	<1	± 12%	99	1
methylene chloride	<1	± 10%	77	1
1,1-dichloroethene	<1	± 10%	97	1
1,1-dichloroethane	<1	± 4%	100	1
trans-1,2-dichloroethene	<1	± 10%	76	1
chloroform	<1*	± 3%	99	1
1,2-dichloroethane	<1*	± 3%	92	1
1,1,1,-trichloroethane	<1	± 2%	110	1
carbon tetrachloride	<1	± 5%	104	1
bromodichloromethane	<1	± 3%	96	1
1,2-dichloropropane	<1	± 2%	87	1
trans-1,3-dichloropropene	<1	± 4%	86	1
trichloroethene	<1*	± 7%	69	1
dibromochloromethane	<1	± 11%	92	1

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: D.L.
Date Reported: 9/10/84

* compound detected but below quantitation limit

D30/augsoc29

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 73
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

Well designation changed as result of 10/10/84 Telephone conversation w/Dr George Bieger, UHL
J. Humeston

ANALYTICAL RESULTS

UHL Lab No. 4-4404

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
cis-1,3-dichloropropene	<1	± 7%	80	1
1,1,2-trichloroethane	<1	± 8%	92	1
benzene	<1	± 3%	96	1
2-chloroethylvinyl ether	<5	± 23%	84	5
bromoform	<1	± 16%	96	1
tetrachloroethene	2	± 5%	94	1
1,1,2,2-tetrachloroethane	<1	± 12%	98	1
toluene	<1	± 5%	87	1
chlorobenzene	<1	± 9%	88	1
ethylbenzene	<1	± 8%	88	1
acrolein	<25	ND	ND	25
acrylonitrile	<25	ND	ND	25

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: [illegible]
Date Reported: 9/10/84

ND = Not Determined

D30/augsoc30

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'84 NOV 5 AM 11 21

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 7
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4406

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
chloromethane	<1	± 10%	86	1
bromomethane	<1	± 9%	99	1
vinyl chloride	<1	± 8%	102	1
chloroethane	<1	± 12%	99	1
methylene chloride	<1	± 10%	77	1
1,1-dichloroethene	<1	± 10%	97	1
1,1-dichloroethane	<1	± 4%	100	1
trans-1,2-dichloroethene	<1*	± 10%	76	1
chloroform	<1*	± 3%	99	1
1,2-dichloroethane	<1	± 3%	92	1
1,1,1,-trichloroethane	<1	± 2%	110	1
carbon tetrachloride	<1	± 5%	104	1
bromodichloromethane	<1	± 3%	96	1
1,2-dichloropropane	<1	± 2%	87	1
trans-1,3-dichloropropene	<1	± 4%	86	1
trichloroethene	2	± 7%	69	1
dibromochloromethane	<1	± 11%	92	1

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: BA
Date Reported: 9/10/84

* compound detected but below quantitation limit

D30/augsoc31

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 7
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4406

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
cis-1,3-dichloropropene	<1	± 7%	80	1
1,1,2-trichloroethane	<1	± 8%	92	1
benzene	<1	± 3%	96	1
2-chloroethylvinyl ether	<5	± 23%	84	5
bromoform	<1	± 16%	96	1
tetrachloroethene	260	± 5%	94	1
1,1,2,2-tetrachloroethane	<1	± 12%	98	1
toluene	<1	± 5%	87	1
chlorobenzene	<1	± 9%	88	1
ethylbenzene	<1	± 8%	88	1
acrolein	<25	ND	ND	25
acrylonitrile	<25	ND	ND	25

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: 名人
Date Reported: 9/10/84

ND = Not Determined

D30/augsoc32

UNIVERSITY HYGIENIC LABORATORY
UNIVERSITY OF IOWA
OAKDALE HALL
IOWA CITY, IOWA 52242

CLIENT WAWM - SOC

SITE Atlantic PRIMARY LAB ID 4-4406

SPECIFIC SAMPLING LOCATION Well No. 7 SECONDARY ID

PESTICIDE COMPOUNDS

Compound	Concentration (µg/L)	Compound	Concentration (µg/L)
ldrin (HHDN)	<0.02	Toxaphene (polychlorocamphene)	<0.6
alpha-BHC (α Benzene Hexachloride)	<0.01	Dyfonate (Fonofos)	<0.1
beta-BHC (β Benzene Hexachloride)	<0.02	Counter (Terbufos)	<0.1
delta-BHC (δ Benzene Hexachloride)	<0.02	Lorsban (Chlorpyrifos)	<0.1
gamma-BHC (Lindane)	<0.01	Thimet (Phorate)	<0.1
Chlordane	<0.1	MoCap (Ethoprop)	<0.1
DDD (TDE)	<0.04	Atrazine (AAtrex)	1.7
DDE	<0.02	Bladex (Cyanazine)	<0.08
DDT (Dichlorodiphenyltrichloroethane)	<0.04	Lasso (Alaclor)	<0.08
Dieldrin (HEOD)	<0.02	Treflan (Trifluralin)	<0.02
Endosulfan I (Thiodan I)	<0.02	Sencor (Metribuzin)	<0.01
Endosulfan II (Thiodan II)	<0.04	Dual (Metolachlor)	<0.1
Endosulfan sulfate	<0.02	Prowl (Pendimethalin)	<0.02
Endrin (Endrex)	<0.04	Amiben (Chloramben)	<0.07
Endrin aldehyde	<0.05	Banvel (Dicamba)	<0.07
Heptachlor	<0.01	2,4-D	<0.07
Heptachlor epoxide	<0.02	Silvex	<0.05

D24/p4-4406
102684

RECEIVED

'84 NOV 6 AM 11 21

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 8
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4408

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
chloromethane	<1	± 10%	86	1
bromomethane	<1	± 9%	99	1
vinyl chloride	<1	± 8%	102	1
chloroethane	<1	± 12%	99	1
methylene chloride	<1	± 10%	77	1
1,1-dichloroethene	<1	± 10%	97	1
1,1-dichloroethane	<1	± 4%	100	1
trans-1,2-dichloroethene	<1	± 10%	76	1
chloroform	<1*	± 3%	99	1
1,2-dichloroethane	<1	± 3%	92	1
1,1,1,-trichloroethane	<1	± 2%	110	1
carbon tetrachloride	<1	± 5%	104	1
bromodichloromethane	<1	± 3%	96	1
1,2-dichloropropane	<1	± 2%	87	1
trans-1,3-dichloropropene	<1	± 4%	86	1
trichloroethene	<1	± 7%	69	1
dibromochloromethane	<1	± 11%	92	1

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: [illegible]
Date Reported: 9/10/84

* compound detected but below quantitation limit

D30/augsoc33

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 8
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4408

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
cis-1,3-dichloropropene	<1	± 7%	80	1
1,1,2-trichloroethane	<1	± 8%	92	1
benzene	<1	± 3%	96	1
2-chloroethylvinyl ether	<5	± 23%	84	5
bromoform	<1	± 16%	96	1
tetrachloroethene	<1*	± 5%	94	1
1,1,2,2-tetrachloroethane	<1	± 12%	98	1
toluene	<1	± 5%	87	1
chlorobenzene	<1	± 9%	88	1
ethylbenzene	<1	± 8%	88	1
acrolein	<25	ND	ND	25
acrylonitrile	<25	ND	ND	25

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: [illegible]
Date Reported: 9/10/84

ND = Not Determined

D30/augsoc34

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'84 NOV 6 AM 11 21

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 9
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4410

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
chloromethane	<1	± 10%	86	1
bromomethane	<1	± 9%	99	1
vinyl chloride	<1	± 8%	102	1
chloroethane	<1	± 12%	99	1
methylene chloride	<1	± 10%	77	1
1,1-dichloroethene	<1	± 10%	97	1
1,1-dichloroethane	<1	± 4%	100	1
trans-1,2-dichloroethene	<1	± 10%	76	1
chloroform	<1	± 3%	99	1
1,2-dichloroethane	<1	± 3%	92	1
1,1,1,-trichloroethane	<1	± 2%	110	1
carbon tetrachloride	<1	± 5%	104	1
bromodichloromethane	<1	± 3%	96	1
1,2-dichloropropane	<1	± 2%	87	1
trans-1,3-dichloropropene	<1	± 4%	86	1
trichloroethene	<1	± 7%	69	1
dibromochloromethane	<1	± 11%	92	1

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: [illegible]
Date Reported: 9/10/84

D30/augsoc35

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 9
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4410

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
cis-1,3-dichloropropene	<1	± 7%	80	1
1,1,2-trichloroethane	<1	± 8%	92	1
benzene	<1	± 3%	96	1
2-chloroethylvinyl ether	<5	± 23%	84	5
bromoform	<1	± 16%	96	1
tetrachloroethene	<1*	± 5%	94	1
1,1,2,2-tetrachloroethane	<1	± 12%	98	1
toluene	<1	± 5%	87	1
chlorobenzene	<1	± 9%	88	1
ethylbenzene	<1	± 8%	88	1
acrolein	<25	ND	ND	25
acrylonitrile	<25	ND	ND	25

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: DK
Date Reported: 9/10/84

ND = Not Determined

* compound detected but below quantitation limit

D30/augsoc36

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'84 NOV 6 AM 11 22

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 12
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4412

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
chloromethane	<1	± 10%	86	1
bromomethane	<1	± 9%	99	1
vinyl chloride	<1	± 8%	102	1
chloroethane	<1	± 12%	99	1
methylene chloride	<1	± 10%	77	1
1,1-dichloroethene	<1	± 10%	97	1
1,1-dichloroethane	<1	± 4%	100	1
trans-1,2-dichloroethene	<1	± 10%	76	1
chloroform	<1	± 3%	99	1
1,2-dichloroethane	<1	± 3%	92	1
1,1,1,-trichloroethane	<1	± 2%	110	1
carbon tetrachloride	<1	± 5%	104	1
bromodichloromethane	<1	± 3%	96	1
1,2-dichloropropane	<1	± 2%	87	1
trans-1,3-dichloropropene	<1	± 4%	86	1
trichloroethene	<1	± 7%	69	1
dibromochloromethane	<1	± 11%	92	1

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: Br
Date Reported: 9/10/84

D30/augsoc37

University Hygienic Laboratory
Analytical Report

Client: IDWAWM - SOC Study
Client Address:

Client Sample Identification: Atlantic, Well No. 12
Date Sample Collected: 8-8-84
Date Sample Received: 8-9-84

ANALYTICAL RESULTS

UHL Lab No. 4-4412

Analyte	Concentration (µg/L)	%SD Precision	Accuracy (%Recovery)	Quantitation Limit (µg/L)
cis-1,3-dichloropropene	<1	± 7%	80	1
1,1,2-trichloroethane	<1	± 8%	92	1
benzene	<1	± 3%	96	1
2-chloroethylvinyl ether	<5	± 23%	84	5
bromoform	<1	± 16%	96	1
tetrachloroethene	<1*	± 5%	94	1
1,1,2,2-tetrachloroethane	<1	± 12%	98	1
toluene	<1	± 5%	87	1
chlorobenzene	<1	± 9%	88	1
ethylbenzene	<1	± 8%	88	1
acrolein	<25	ND	ND	25
acrylonitrile	<25	ND	ND	25

Analytical Method: EPA Method 624

Analyst: G. Robertson and S. Chase
Verified: SA
Date Reported: 9/10/84

ND = Not Determined

* compound detected but below quantitation limit

D30/augsoc38