

US ENVIRONMENTAL PROTECTION AGENCY
60 Westview Street
Lexington, MA. 02173

Carolyn Pina
Pina 2007
Superfund Records Center
SITE: Nutmeg Valley
BREAK: 3.2
OTHER: 41955

DATE: June 30, 1998

SUBJECT: **Nutmeg Valley,**
- Volatile Organic Analysis by GC/MS

FROM: Joseph Montanaro, EIA

TO: Carolyn Pina-Springer, SEA & John Mullaney, USGS

THRU: William J. Andrade, Ph. D., Analytical Specialist

PROJECT NUMBER: 98252

DATES(S) SAMPLES RECEIVED BY THE LABORATORY: 06/03/98

SAMPLE NUMBERS: WC97, WC98, WB404, WB405, WB406, WB407, Trip Blanks

ANALYTICAL PROCEDURE:

EPA Method 524.2, Methods for the Determination of Organic Compounds
in Drinking Water - Supplement III, EPA/600/R-95/131, August 1995,
Modified.

QUALITY ASSURANCE

1. A laboratory blank was analyzed prior to sample analysis.
2. Each sample was spiked with three surrogate compounds at 5 ppb concentration. The results for the surrogate recoveries are reported for each sample.
3. One sample WB406, was spiked in duplicate to determine laboratory precision and accuracy.

DATA FILE: j:\chemistry\reports\voa\98252dw.wk4

ANALYTICAL PARAMETERS
PURGEABLE ORGANIC ANALYSIS

INSTRUMENTS: Tekmar Aquatek 50 Purge and Trap Autosampler
Tekmar LSC 2000
Finnigan INCOS-50 B

PURGE CONDITIONS:

Gas:	Helium
Purge Time and Flow:	8 min., 40 ml/min
Dry Purge Time and Flow:	4 min., 40 ml/min
Trap:	25 cm stainless steel (1/8 in. OD) packed with Carbopack B (10 cm), Carboxen 1000 (6 cm), and Carboxen 1001 (1 cm)
Desorption Time, Flow, Temperature:	1 min, 40 ml/min., 250 C
Bake out cycle:	8 min. at 260 C

CHROMATOGRAPHIC CONDITIONS:

Column:	Restek 502.2 40 M length, 0.18 mm id, 1.0 μ m
Program:	Initial 35 C programmed at 8 C/min to 220 C and held 220 C for 7 minutes.
Injector and Transfer Temperatures:	200 C
Carrier Gas and Flow:	Helium, 15 ml/min

MASS SPECTROMETER CONDITIONS:

Electron Energy:	70 eV
Mass Range:	35-300 amu
Scan Rate:	1.5 seconds

US ENVIRONMENTAL PROTECTION AGENCY
REGION 1 LABORATORY
PROJECT AND REPORT FORM

Chemist Reviewing Data: William J. Andrade

Method Modification: None

Limitation of Data: None

Laboratory Blank Problems: None

Instrument Performance Problems: None

Surrogate or Spike Recovery Problems: None

Additonal Comments: None

MATRIX SPIKE DUPLICATE ANALYSIS

FACILITY SAMPLED: NUTMEG VALLEY

SAMPLE NUMBER: WB406

FILE NAME(S): 06118F22 & 06118F23

DATE OF ANALYSIS: 06/11/98

ACCURACY

COMPOUND	AVERAGE % RECOVERY	ACCEPTABLE RANGE ₂
1,1 Dichloroethylene	97	50-150
Chloroform	100	62-128
1,2 Dichloroethane	92	57-141
1,1,1 Trichloroethane	94	51-142
Carbon tetrachloride	97	60-139
Bromodichloromethane	77	44-133
Trichloroethylene	92	65-132
Benzene	97	67-132
Dibromochloromethane	74	36-125
Bromoform	70	25-118
1,4 Dichlorobenzene	86	55-102
Vinyl Chloride	100	44-170

PRECISION

COMPOUND	#1 % RECOV	#2 % RECOVERY	RPD	ACCEPTABLE RANGE ₂
1,1 Dichloroethylene	92	102	10	0-15
Chloroform	96	104	8	0-23
1,2 Dichloroethane	89	96	7	0-36
1,1,1 Trichloroethane	91	96	5	0-19
Carbon tetrachloride	94	100	6	0-17
Bromodichloromethane	76	78	3	0-33
Trichloroethylene	88	96	8	0-44
Benzene	94	100	6	0-24
Dibromochloromethane	72	76	5	0-41
Bromoform	67	72	7	0-65
1,4 Dichlorobenzene	82	91	10	0-25
Vinyl Chloride	98	103	5	0-19

₁=out of range

₂=quality control acceptance criteria as per laboratory

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: Lab Blank
FILE NAME(S): 06108F12
DATE OF ANALYSIS: 06/10/98

DILUTION FACTOR(S): 1

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	ND	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	ND	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	ND	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRihalOMETHANES					
67-66-3	Chloroform	ND	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	Lab Blank UNREGULATED VOC'S	Conc. (ug/L)	Reporting Limits (ug/L)	MCLG's (ug/L)	QUALIFIER
108-86-1	Bromobenzene	ND	1		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Benzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	5	1		
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	ND	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL		Percent	Confidence
Surrogate Compounds		Recoveries	Limits
2199-69-1	1,2-Dichlorobenzene-D4	98	60-123
2037-26-5	Toluene-D8	99	80-117
460-00-4	4-Bromofluorobenzene	98	65-118

ND=Not Detected above the reporting limit.

RL=Reporting Limit

J=Approximate

NA=Not available due to dilution or interference

B=analyte is associated with lab blank

MCL=Maximum Contaminant Level

MCLG=Maximum Contaminant Level Goal

E=estimated value exceeds the calibration range

L=estimated value is below the calibration range

2=quality control acceptance criteria as per lab

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY

REGION I LABORATORY

GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WC97
 FILE NAME(S): 06118F20
 DATE OF COLLECTION: 05/29/98
 DATE OF ANALYSIS: 06/11/98

DILUTION FACTOR(S): 1
 PRESERVATIVE: Cool to 4 C
 Acidified to pH <2

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	ND	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	ND	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	ND	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRIHALOMETHANES					
67-66-3	Chloroform	ND	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	WC97		Reporting		
	UNREGULATED VOC'S	Conc.	Limits	MCLG's	QUALIFIER
		(ug/L)	(ug/L)	(ug/L)	
108-86-1	Bromobenzene	ND	1		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Benzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	ND	1		
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	ND	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL		Percent	Confidence
Surrogate Compounds		Recoveries	Limits
2199-69-1	1,2-Dichlorobenzene-D4	96	60-123
2037-26-5	Toluene-D8	98	80-117
460-00-4	4-Bromofluorobenzene	98	65-118

ND=Not Detected above the reporting limit.

RL=Reporting Limit

J=Approximate

NA=Not available due to dilution or interference

B=analyte is associated with lab blank

MCL=Maximum Contaminant Level

MCLG=Maximum Contaminant Level Goal

E=estimated value exceeds the calibration range

L=estimated value is below the calibration range

±=quality control acceptance criteria as per lab

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WC97

TENTATIVELY IDENTIFIED COMPOUNDS

Isopropyl Alcohol
Propene
1-Butene

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY

REGION I LABORATORY

GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WC98
 FILE NAME(S): 06118F21
 DATE OF COLLECTION: 05/29/98
 DATE OF ANALYSIS: 06/11/98

DILUTION FACTOR(S): 1
 PRESERVATIVE: Cool to 4 C
 Acidified to pH <2

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	ND	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	ND	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	ND	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRihalOMETHANES					
67-66-3	Chloroform	ND	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	WC98		Reporting		
	UNREGULATED VOC'S	Conc.	Limits	MCLG's	QUALIFIER
		(ug/L)	(ug/L)	(ug/L)	
108-86-1	Bromobenzene	ND	1		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Benzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	ND	1		
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	ND	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL		Percent	Confidence
Surrogate Compounds		Recoveries	Limits
2199-69-1	1,2-Dichlorobenzene-D4	92	60-123
2037-26-5	Toluene-D8	97	80-117
460-00-4	4-Bromofluorobenzene	94	65-118

ND=Not Detected above the reporting limit.
RL=Reporting Limit
J=Approximate
NA=Not available due to dilution or interference
B=analyte is associated with lab blank

MCL=Maximum Contaminant Level
MCLG=Maximum Contaminant Level Goal
E=estimated value exceeds the calibration range
L=estimated value is below the calibration range
2=quality control acceptance criteria as per lab

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WC98

TENTATIVELY IDENTIFIED COMPOUNDS

Isopropyl Alcohol

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY

REGION I LABORATORY

GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB404

FILE NAME(S): 06108F14

DATE OF COLLECTION: 06/01/98

DATE OF ANALYSIS: 06/10/98

DILUTION FACTOR(S): 1

PRESERVATIVE: Cool to 4 C

Acidified to pH <2

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	2	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	7	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	8	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRIHALOMETHANES					
67-66-3	Chloroform	1	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	WB404		Reporting		
	UNREGULATED VOC'S	Conc.	Limits	MCLG's	QUALIFIER
		(ug/L)	(ug/L)	(ug/L)	
108-86-1	Bromobenzene	ND	1		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Benzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	1	1		B
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	10	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL	Percent	Confidence
Surrogate Compounds	Recoveries	Limits
2199-69-1 1,2-Dichlorobenzene-D4	87	60-123
2037-26-5 Toluene-D8	97	80-117
460-00-4 4-Bromofluorobenzene	87	65-118

ND=Not Detected above the reporting limit.
RL=Reporting Limit
J=Approximate
NA=Not available due to dilution or interference
B=analyte is associated with lab blank

MCL=Maximum Contaminant Level
MCLG=Maximum Contaminant Level Goal
E=estimated value exceeds the calibration range
L=estimated value is below the calibration range
2=quality control acceptance criteria as per lab

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB404

TENTATIVELY IDENTIFIED COMPOUNDS

Isopropyl Alcohol
Propene
Isobutane
1-propene,2-methyl
butane,2-methyl
1-pentene
pentane,3-methyl
1-hexene
hexane
2-hexene
3-hexene
1-heptene
heptane

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY

REGION I LABORATORY

GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB405
FILE NAME(S): 06108F16
DATE OF COLLECTION: 06/02/98
DATE OF ANALYSIS: 06/10/98

DILUTION FACTOR(S): 1
PRESERVATIVE: Cool to 4 C
Acidified to pH <2

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	ND	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	ND	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	ND	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRIHALOMETHANES					
67-66-3	Chloroform	2	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	WB405		Reporting		
	UNREGULATED VOC'S	Conc.	Limits	MCLG's	QUALIFIER
		(ug/L)	(ug/L)	(ug/L)	
108-86-1	Bromobenzene	ND	1		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Bÿnzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	ND	1		
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	ND	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL		Percent	Confidence
Surrogate Compounds		Recoveries	Limits
2199-69-1	1,2-Dichlorobenzene-D4	113	60-123
2037-26-5	Toluene-D8	100	80-117
460-00-4	4-Bromofluorobenzene	108	65-118

ND=Not Detected above the reporting limit.
RL=Reporting Limit
J=Approximate
NA=Not available due to dilution or interference
B=analyte is associated with lab blank

MCL=Maximum Contaminant Level
MCLG=Maximum Contaminant Level Goal
E=estimated value exceeds the calibration range
L=estimated value is below the calibration range
2=quality control acceptance criteria as per lab

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB405

TENTATIVELY IDENTIFIED COMPOUNDS

Isopropyl Alcohol
Propene
Isobutane
1-propene,2-methyl
1-butene
butane,2-methyl
1-butene,3-methyl
1-pentene
1-hexene
hexane
3-hexene
2-hexene
1-heptene
heptane

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY

REGION I LABORATORY

GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB406
 FILE NAME(S): 06108F18
 DATE OF COLLECTION: 06/01/98
 DATE OF ANALYSIS: 06/10/98

DILUTION FACTOR(S): 1
 PRESERVATIVE: Cool to 4 C
 Acidified to pH <2

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	ND	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	ND	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	ND	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRIHALOMETHANES					
67-66-3	Chloroform	ND	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	WB406		Reporting		
	UNREGULATED VOC'S	Conc.	Limits	MCLG's	QUALIFIER
		(ug/L)	(ug/L)	(ug/L)	
108-86-1	Bromobenzene	ND	1		
79-34-5	1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Benzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	ND	1		
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	ND	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL		Percent	Confidence
Surrogate Compounds		Recoveries	Limits
2199-69-1	1,2-Dichlorobenzene-D4	115	60-123
2037-26-5	Toluene-D8	99	80-117
460-00-4	4-Bromofluorobenzene	111	65-118

ND=Not Detected above the reporting limit.
RL=Reporting Limit
J=Approximate
NA=Not available due to dilution or interference
B=analyte is associated with lab blank

MCL=Maximum Contaminant Level
MCLG=Maximum Contaminant Level Goal
E=estimated value exceeds the calibration range
L=estimated value is below the calibration range
2=quality control acceptance criteria as per lab

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB406

TENTATIVELY IDENTIFIED COMPOUNDS

Isopropyl Alcohol

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY

REGION I LABORATORY

GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB407
 FILE NAME(S): 06108F19
 DATE OF COLLECTION: 06/02/98
 DATE OF ANALYSIS: 06/10/98

DILUTION FACTOR(S): 1
 PRESERVATIVE: Cool to 4 C
 Acidified to pH <2

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	4	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	9	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	13	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRIHALOMETHANES					
67-66-3	Chloroform	ND	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	WB407		Reporting		
	UNREGULATED VOC'S	Conc.	Limits	MCLG's	QUALIFIER
		(ug/L)	(ug/L)	(ug/L)	
108-86-1	Bromobenzene	ND	1		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Benzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	ND	1		
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	ND	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL		Percent	Confidence
Surrogate Compounds		Recoveries	Limits
2199-69-1	1,2-Dichlorobenzene-D4	106	60-123
2037-26-5	Toluene-D8	98	80-117
460-00-4	4-Bromofluorobenzene	105	65-118

ND=Not Detected above the reporting limit.

RL=Reporting Limit

J=Approximate

NA=Not available due to dilution or interference

B=analyte is associated with lab blank

MCL=Maximum Contaminant Level

MCLG=Maximum Contaminant Level Goal

E=estimated value exceeds the calibration range

L=estimated value is below the calibration range

±=quality control acceptance criteria as per lab

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: WB407

TENTATIVELY IDENTIFIED COMPOUNDS

Isopropyl Alcohol

FACILITY SAMPLED: NUTMEG VALLEY

US ENVIRONMENTAL PROTECTION AGENCY

REGION I LABORATORY

GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID: Trip Blank
 FILE NAME(S): 06108F13
 DATE OF COLLECTION: 05/29/98
 DATE OF ANALYSIS: 06/10/98

DILUTION FACTOR(S): 1
 PRESERVATIVE: Cool to 4 C
 Acidified to pH <2

CAS No.	Compound	Conc. (ug/L)	Reporting Limits (ug/L)	MCL'S (ug/L)	QUALIFIER
REGULATED VOC'S					
75-01-4	Vinyl Chloride	ND	1	2	
75-35-4	1,1 Dichloroethylene	ND	1	7	
107-06-2	1,2 Dichloroethane	ND	1	5	
71-55-6	1,1,1 Trichloroethane	ND	1	200	
56-23-5	Carbon Tetrachloride	ND	1	5	
79-01-6	Trichloroethylene	ND	1	5	
71-43-2	Benzene	ND	1	5	
106-46-7	1,4, Dichlorobenzene	ND	1	75	
75-09-2	Methylene Chloride	ND	1	5	
156-59-2	c-1,2-Dichloroethylene	ND	1	70	
156-60-5	t-1,2-Dichloroethylene	ND	1	100	
78-87-5	1,2-Dichloropropane	ND	1	5	
79-00-5	1,1,2-Trichloroethane	ND	1	5	
127-18-4	Tetrachloroethylene	ND	1	5	
108-88-3	Toluene	ND	1	1000	
108-90-7	Chlorobenzene	ND	1	100	
100-41-4	Ethylbenzene	ND	1	700	
100-42-5	Styrene	ND	1	100	
95-50-1	1,2- Dichlorobenzene	ND	1	600	
1330-20-7	Total Xylenes	ND	2	10000	
120-82-1	1,2,4 Trichlorobenzene	ND	1	70	
TRIHALOMETHANES					
67-66-3	Chloroform	ND	1		
75-27-4	Dichlorobromomethane	ND	1		
124-48-1	Dibromochloromethane	ND	1		
75-25-2	Bromoform	ND	1		
-----	Total Trihalomethanes	ND	1	100	
UNREGULATED VOC'S				MCLG'S (ug/L)	
74-87-3	Chloromethane	ND	1		
74-83-9	Bromomethane	ND	1		
74-97-5	Bromochloromethane	ND	1		
75-00-3	Chloroethane	ND	1		
75-69-4	Trichlorofluoromethane	ND	1		
75-34-3	1,1-Dichloroethane	ND	1		
10061-02-6	t-1,3-Dichloropropene	ND	1		
10061-01-5	c-1,3-Dichloropropene	ND	1		
563-58-6	1,1-Dichloropropene	ND	1		

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS PURGEABLE ORGANIC ANALYSIS - DRINKING WATER

SAMPLE ID:	Trip Blank UNREGULATED VOC'S	Conc. (ug/L)	Reporting Limits (ug/L)	MCLG's (ug/L)	QUALIFIER
108-86-1	Bromobenzene	ND	1		
79-34-5	1,1,2,2-Tetrachloroethane	ND	1		
630-20-6	1,1,1,2-Tetrachloroethane	ND	1		
103-65-1	n-Propyl Benzene	ND	1		
104-51-8	n-Butyl Benzene	ND	1		
135-98-8	sec-Butylbenzene	ND	1		
98-06-6	tert-Butylbenzene	ND	1		
541-73-1	1,3-Dichlorobenzene	ND	1		
74-95-3	Dibromomethane	ND	1		
75-71-8	Dichlorodifluoromethane	ND	1		
142-28-9	1,3-Dichloropropane	ND	1		
590-20-7	2,2-Dichloropropane	ND	1		
87-68-3	Hexachlorobutadiene	ND	1		
98-82-8	Isopropylbenzene	ND	1		
96-18-4	1,2,3-Trichloropropane	ND	1		
99-87-6	1,4 Isopropyl toluene (para)	ND	1		
91-20-3	Naphthalene	2	1		
87-61-6	1,2,3 Trichlorobenzene	ND	1		
95-63-6	1,2,4 Trimethylbenzene	ND	1		
108-67-8	1,3,5 Trimethylbenzene	ND	1		
95-49-8	2-Chlorotoluene	ND	1		
106-43-4	4-Chlorotoluene	ND	1		

OTHER COMPOUNDS QUANTITATED

76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1
67-64-1	Acetone	ND	10
75-15-0	Carbon Disulfide	ND	3
78-93-3	2-Butanone (MEK)	ND	20
591-10-6	2-Hexanone	ND	2
108-10-1	4-Methyl-2-Pentanone (MIBK)	ND	2
109-99-9	Tetrahydrofuran (THF)	ND	7
60-29-7	Ethyl Ether	ND	3
106-93-4	1,2-Dibromoethane (EDB)	ND	1
96-12-8	1,2-Dibromo-3-chloropropane	ND	1

QUALITY CONTROL	Percent	Confidence
Surrogate Compounds	Recoveries	Limits
2199-69-1 1,2-Dichlorobenzene-D4	107	60-123
2037-26-5 Toluene-D8	96	80-117
460-00-4 4-Bromofluorobenzene	104	65-118

ND=Not Detected above the reporting limit.
RL=Reporting Limit
J=Approximate
NA=Not available due to dilution or interference
B=analyte is associated with lab blank

MCL=Maximum Contaminant Level
MCLG=Maximum Contaminant Level Goal
E=estimated value exceeds the calibration range
L=estimated value is below the calibration range
±=quality control acceptance criteria as per lab