

Sample: Method Blank

Semi-Volatile Organics by EPA 625/8270C

Date Received: 09/30/99
Date Extracted: 10/04/99
Date Analyzed: 10/15/99
Instrument ID: HP-1 5973

Matrix: Water
Sample Amount: 1L:1mL
Run Number: 43920H09
Units: ug/L (ppb)

CAS #		Concentration	Detection Limit
83-32-9	Acenaphthene	ND	1
208-96-8	Acenaphthylene	ND	1
62-53-3	Aniline	ND	1
120-12-7	Anthracene	ND	1
92-87-5	Benzidine	ND	50
56-55-3	Benzo(a)anthracene	ND	1
205-99-2	Benzo(b & k)fluoranthenes	ND	1
191-24-2	Benzo(g,h,i)perylene	ND	1
50-32-8	Benzo(a)pyrene	ND	1
65-85-0	Benzoic Acid	ND	5
100-51-6	Benzyl Alcohol	ND	5
111-91-1	Bis(2-chloroethoxy)methane	ND	1
11-44-1	Bis(2-chloroethyl)ether	ND	1
39638-32-9	Bis(2-chloroisopropyl)ether	ND	1
117-81-7	Bis(2-ethylhexyl)phthalate	ND	1
101-55-3	4-Bromophenyl Phenyl Ether	ND	1
85-68-7	Butyl Benzyl Phthalate	ND	1
106-47-8	4-Chloroaniline	ND	1
59-50-7	4-Chloro-3-methylphenol	ND	1
91-58-7	2-Chloronaphthalene	ND	1
95-57-8	2-Chlorophenol	ND	1
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	1
218-01-9	Chrysene	ND	1
53-70-3	Dibenzo(a,h)anthracene	ND	1
132-64-9	Dibenzofuran	ND	1
84-74-2	Di-n-butyl Phthalate	1	1
95-50-1	1,2-Dichlorobenzene	ND	1
541-73-1	1,3-Dichlorobenzene	ND	1

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Run Number: 43920H09
Units: ug/L (ppb)

CAS #	Compound	Concentration	Detection Limit
106-46-7	1,4-Dichlorobenzene	ND	1
91-94-1	3,3'-Dichlorobenzidine	ND	1
120-33-2	2,4-Dichlorophenol	ND	1
84-66-2	Diethyl Phthalate	ND	1
105-67-9	2,4-Dimethylphenol	ND	1
131-11-3	Dimethyl Phthalate	ND	1
534-52-1	4,6-Dinitro-2-methylphenol	ND	5
51-28-5	2,4-Dinitrophenol	ND	5
121-14-2	2,4-Dinitrotoluene	ND	1
606-20-2	2,6-Dinitrotoluene	ND	1
117-84-0	Di-n-octyl Phthalate	ND	1
122-66-7	1,2-Diphenylhydrazine *	ND	1
204-44-0	Fluoranthene	ND	1
86-73-7	Fluorene	ND	1
118-74-1	Hexachlorobenzene	ND	1
87-68-3	Hexachlorobutadiene	ND	1
77-47-4	Hexachlorocyclopentadiene	ND	1
67-72-1	Hexachloroethane	ND	1
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1
78-59-1	Isophorone	ND	1
91-57-6	2-Methylnaphthalene	ND	1
95-48-7	2-Methylphenol	ND	1
106-44-5	4-Methylphenol	ND	1
91-20-3	Naphthalene	ND	1
88-74-4	2-Nitroaniline	ND	5
99-09-2	3-Nitroaniline	ND	5

* - Cannot be separated from Azobenzene.

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Run Number: 43920H09
Units: ug/L (ppb)

CAS #	Compound	Concentration	Detection Limit
100-01-6	4-Nitroaniline	ND	5
98-95-3	Nitrobenzene	ND	1
88-75-5	2-Nitrophenol	ND	1
100-02-7	4-Nitrophenol	ND	5
62-75-9	N-Nitrosodimethylamine	ND	1
86-30-6	N-Nitrosodiphenylamine **	ND	1
621-64-7	N-Nitroso-di-n-propylamine	ND	1
87-86-5	Pentachlorophenol	ND	5
85-01-8	Phenanthrene	ND	1
108-95-2	Phenol	ND	1
129-00-0	Pyrene	ND	1
110-86-1	Pyridine	ND	5
120-82-1	1,2,4-Trichlorobenzene	ND	1
95-95-4	2,4,5-Trichlorophenol	ND	5
88-06-2	2,4,6-Trichlorophenol	ND	1

** - Cannot be separated from Diphenylamine.

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>QC Limits</u>
Phenol-d ₅	80	19-139
2-Fluorophenol	71	21-154
Nitrobenzene-d ₅	82	35-114
2-Fluorobiphenyl	73	43-116
2,4,6-Tribromophenol	82	10-123
Terphenyl-d ₁₄	96	44-141

Matrix Spike (MS and MSD)
 % Recovery and RPD Summary

Date Analyzed: 10/15/99 Matrix: Water
 QC Batch 100499WB Units: ug/L (ppb)

Semi-Volatile Compounds

<u>Compound</u>	<u>Conc</u> <u>Spiked</u>	<u>Conc</u> <u>Sample</u>	<u>% Rec</u>		<u>MSD</u>	<u>% Rec</u>		<u>RPD</u>
			<u>MS</u>	<u>MS</u>		<u>MSD</u>	<u>MSD</u>	
1,2,4-Trichlorobenzene	50.0	ND	28.2	56	23.9	48	17	
Acenaphthene	50.0	ND	43.2	86	43.6	87	1	
2,4-Dinitrotoluene	50.0	ND	48.4	97	49.7	99	3	
Pyrene	50.0	ND	42.4	85	44.9	90	6	
Nitrosopropylamine	50.0	ND	35.2	70	33.5	67	5	
1,4-Dichlorobenzene	50.0	ND	26.1	52	22.1	44	17	
Pentachlorophenol	75.0	ND	44.3	59	45.7	61	3	
Phenol	75.0	ND	58.7	78	60.4	81	3	
2-Chlorophenol	75.0	ND	58.8	78	60.1	80	2	
4-Chloro-3-methylphenol	75.0	ND	63.7	85	64.0	85	0	
4-Nitrophenol	75.0	ND	63.1	84	62.4	83	1	

Quality Control Limits

	<u>Recovery</u>	<u>RPD</u>
1,2,4-Trichlorobenzene	32- 98	31
Acenaphthene	39-129	17
2,4-Dinitrotoluene	36-124	18
Pyrene	34-166	29
Nitrosopropylamine	35-108	24
1,4-Dichlorobenzene	32- 84	34
Pentachlorophenol	0-215	36
Phenol	42-113	21
2-Chlorophenol	46-128	17
4-Chloro-3-methylphenol	38-110	20
4-Nitrophenol	6-123	38