

Sample: Method Blank

Semi-Volatile Organics by EPA 625/8270C

Date Received: 08/24/99 Matrix: Soil  
Date Extracted: 08/27/99 Sample Amount: 50g:1mL  
Date Analyzed: 08/27/99 Run Number: 43416H01  
Instrument ID: HP-1 5973 Units: ug/kg (ppb)

CAS #		Concentration	Detection Limit
83-32-9	Acenaphthene	ND	20
208-96-8	Acenaphthylene	ND	20
62-53-3	Aniline	ND	20
120-12-7	Anthracene	ND	20
56-55-3	Benzo(a)anthracene	ND	20
205-99-2	Benzo(b & k)fluoranthenes	ND	20
191-24-2	Benzo(g,h,i)perylene	ND	20
50-32-8	Benzo(a)pyrene	ND	20
65-85-0	Benzoic Acid	ND	100
100-51-6	Benzyl Alcohol	ND	100
111-91-1	Bis(2-chloroethoxy)methane	ND	20
11-44-1	Bis(2-chloroethyl)ether	ND	20
39638-32-9	Bis(2-chloroisopropyl)ether	ND	20
117-81-7	Bis(2-ethylhexyl)phthalate	ND	20
101-55-3	4-Bromophenyl Phenyl Ether	ND	20
85-68-7	Butyl Benzyl Phthalate	ND	20
106-47-8	4-Chloroaniline	ND	20
59-50-7	4-Chloro-3-methylphenol	ND	20
91-58-7	2-Chloronaphthalene	ND	20
95-57-8	2-Chlorophenol	ND	20
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	20
218-01-9	Chrysene	ND	20
53-70-3	Dibenzo(a,h)anthracene	ND	20
132-64-9	Dibenzofuran	ND	20
84-74-2	Di-n-butyl Phthalate	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
91-94-1	3,3'-Dichlorobenzidine	ND	20
120-33-2	2,4-Dichlorophenol	ND	20
84-66-2	Diethyl Phthalate	ND	20
105-67-9	2,4-Dimethylphenol	ND	20

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Instrument ID: HP-1 5973 Units: ug/kg (ppb)

CAS #	Compound	Concentration	Detection Limit
131-11-3	Dimethyl Phthalate	ND	20
534-52-1	4,6-Dinitro-2-methylphenol	ND	100
51-28-5	2,4-Dinitrophenol	ND	100
121-14-2	2,4-Dinitrotoluene	ND	20
606-20-2	2,6-Dinitrotoluene	ND	20
117-84-0	Di-n-octyl Phthalate	ND	20
122-66-7	1,2-Diphenylhydrazine *	ND	20
204-44-0	Fluoranthene	ND	20
86-73-7	Fluorene	ND	20
118-74-1	Hexachlorobenzene	ND	20
87-68-3	Hexachlorobutadiene	ND	20
77-47-4	Hexachlorocyclopentadiene	ND	20
67-72-1	Hexachloroethane	ND	20
193-39-5	Indeno(1,2,3-cd)pyrene	ND	20
78-59-1	Isophorone	ND	20
91-57-6	2-Methylnaphthalene	ND	20
95-48-7	2-Methylphenol	ND	20
106-44-5	4-Methylphenol	ND	20
91-20-3	Naphthalene	ND	20
88-74-4	2-Nitroaniline	ND	100
99-09-2	3-Nitroaniline	ND	100
100-01-6	4-Nitroaniline	ND	100
98-95-3	Nitrobenzene	ND	20
88-75-5	2-Nitrophenol	ND	20
100-02-7	4-Nitrophenol	ND	100
62-75-9	N-Nitrosodimethylamine	ND	20
86-30-6	N-Nitrosodiphenylamine **	ND	20
621-64-7	N-Nitroso-di-n-propylamine	ND	20
87-86-5	Pentachlorophenol	ND	100
85-01-8	Phenanthrene	ND	20
108-95-2	Phenol	ND	20

\* - Cannot be separated from Azobenzene.

\*\* - Cannot be separated from Diphenylamine.

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Date Extracted:	08/27/99	Sample Amount:	50g:1mL
Date Analyzed:	08/27/99	Run Number:	43416H01
Instrument ID:	HP-1 5973	Units:	ug/kg (ppb)

CAS #	Compound	Concentration	Detection Limit
129-00-0	Pyrene	ND	20
110-86-1	Pyridine	ND	100
120-82-1	1,2,4-Trichlorobenzene	ND	20
95-95-4	2,4,5-Trichlorophenol	ND	100
88-06-2	2,4,6-Trichlorophenol	ND	20

Surrogate	Percent Recovery	QC Limits
Phenol-d5	67	24-113
2-Fluorophenol	77	25-121
Nitrobenzene-d5	67	23-120
2-Fluorobiphenyl	73	30-115
2,4,6-Tribromophenol	69	19-122
Terphenyl-d14	100	18-137

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

Date Analyzed: 08/27/99                      Matrix: Soil  
 QC Batch                      082799SB                      Units: ug/kg (ppb)

Semi-Volatile Compounds

Compound	Conc Spiked	Conc Sample	MS	% Rec MS	MSD	% Rec MSD	RPD
1,2,4-Trichlorobenzene	1000	ND	789	79	743	74	6
Acenaphthene	1000	ND	901	90	858	86	5
2,4-Dinitrotoluene	1000	ND	781	78	754	75	4
Pyrene	1000	ND	1170	117	1070	107	9
Nitrosopropylamine	1000	ND	854	85	727	73	16
1,4-Dichlorobenzene	1000	ND	720	72	667	67	8
Pentachlorophenol	1500	ND	1240	83	1200	80	3
Phenol	1500	ND	1030	69	988	66	4
2-Chlorophenol	1500	ND	1150	77	1100	73	4
4-Chloro-3-methylphenol	1500	ND	1200	80	1180	79	2
4-Nitrophenol	1500	ND	1050	70	1010	67	4

Quality Control Limits

	Recovery	RPD
1,2,4-Trichlorobenzene	44-126	25
Acenaphthene	49-127	26
2,4-Dinitrotoluene	35-131	29
Pyrene	33-166	37
Nitrosopropylamine	21-139	30
1,4-Dichlorobenzene	44-111	23
Pentachlorophenol	8-189	36
Phenol	43-117	27
2-Chlorophenol	52-122	24
4-Chloro-3-methylphenol	42-131	29
4-Nitrophenol	0-177	24