1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCU

ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0501VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0501VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
	1,2,2-trifluoroethane		
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	14	
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCU

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0501VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0501VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3 Dichlorobenzene	10	U
106-46-7	1,4 Dichlorobenzene	10	U
95-50-1	1,2 Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKCU ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0501VSBC1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0501VSBC1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

040338

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKC1

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0502VSBC2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0501VSBC2

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
	1,2,2-trifluoroethane		
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKC1 ORIGINAL Rec'd

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0502VSBC2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0501VSBC2

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3 Dichlorobenzene	10	U
106-46-7	1,4 Dichlorobenzene	10	U
95-50-1	1,2 Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKC1

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0502VSBC2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0501VSBC2

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBV (ORIGINAL Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) WATER Lab Sample ID: 0502VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0502VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/02/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluo	10	U
	1,2,2-trifluoroethane		
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

040357

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKBV

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) WATER Lab Sample ID: 0502VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0502VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/02/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3 Dichlorobenzene	10	U
106-46-7	1,4 Dichlorobenzene	10	U
95-50-1	1,2 Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

001358

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKBV ORIGINAL (Red)

Lab Name: ENVIROSYSTEMS Contract: 68-W9-9024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) WATER Lab Sample ID: 0502VWBB1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 0502VWBB1

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/02/00

GC Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

041359

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) WATER Lab Sample ID: 0502SWB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB725

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/02/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	2	J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) WATER Lab Sample ID: 0502SWB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB725

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/02/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) WATER Lab Sample ID: 0502SWB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: H73GB725

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/02/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/05/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 57-10-3	N-HEXADECANOIC ACID	18.86	2	NJ
2. 142-91-6	ISOPROPYL PALMITATE	19.47	4	NJ
3.				
4.				
5.				
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30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0505SSB2

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB812

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

ORIGINAL (Red)

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0505SSB2

Sample wt/vol: 30.0(g/mL) G Lab File ID: H73GB812

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	46	J
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK06

Lab Name: ENVIROSYSTEMS, INC. Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0505SSB2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: H73GB812

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/05/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/16/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

ORIGINAL (Red)

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK24

Lab Name: ENVIROSYSTEMS Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) WATER Lab Sample ID: 0502PWB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 05/02/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/09/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK27

Lab Name: ENVIROSYSTEMS Contract: 68W99024

Lab Code: ENVSYS Case No.: 28009 SAS No.: SDG No.: CSL73

Matrix: (soil/water) SOIL Lab Sample ID: 0505PSB2

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/05/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/16/00

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

Cleanup: (Y/N) Y pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

TABLES

PEMCO Site, Baltimore, Maryland
Table 1. Quantitative Risk Assessment - Noncarcinogenic
Commercial Use - Incidental Ingestion/Surface Soil

Chemical	RfDo	Soil [ ] Max (mg/kg)	ADD Adult Worker	HQ Adult Worker	ADD Construction Worker	HQ Construction Worker	ADD Child Visitor (< 6 years)	HQ Child Visitor (< 6 years)	ADD Youth Visitor (6 - 17 years)	HQ Youth Visitor (6 - 17 years)
ALUMINUM	1	8650	4E-03	4E-03	4E-02	4E-02	4E-02	4E-02	8E-03	8E-03
ARSENIC	0.0003	7.2	4E-06	1E-02	3E-05	1E-01	3E-05	1E-01	7E-06	2E-02
CHROMIUM	0.003	33	2E-05	5E-03	2E-04	5E-02	2E-04	5E-02	3E-05	1E-02
MANGANESE	0.02	507	2E-04	1E-02	2E-03	1E-01	2E-03	1E-01	5E-04	2E-02
4,6-DINITRO-2-METHYLPHENOL	*0.0001*	*10*	*5E-06*	*5E-02*	*5E-05*	*5E-01*	*5E-05*	*5E-01*	*9E-06*	*9E-02*
ATRAZINE	*0.035*	*4*	*2E-06*	*5E-05*	*2E-05*	*5E-04*	*2E-05*	*5E-04*	*3E-06*	*1E-04*
HEXACHLOROBENZENE	*0.0008*	*2*	*9E-07*	*1E-03*	*9E-06*	*1E-02*	*9E-06*	*1E-02*	*2E-06*	*2E-03*
PENTACHLOROPHENOL	*0.03*	*10*	*5E-06*	*2E-04*	*5E-05*	*2E-03*	*5E-05*	*2E-03*	*9E-06*	*3E-04*
			SUM ➢	**0.03**	**SUM ➢**	**0.3**	**SUM ➢**	**0.3**	**SUM ➢**	**0.06**

PEMCO Site, Baltimore, Maryland
Table 2. Quantitative Risk Assessment - Carcinogenic
Commercial Use - Incidental Ingestion/Surface Soil

Chemical	CSFo	Soil [ ] Max (mg/kg)	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
ARSENIC	1.5	7.2	1E-06	2E-06	5E-07	7E-07	3E-06	4E-06	1E-06	2E-06
3,3'-DICHLOROBENZIDINE	*0.45*	*1.9*	*3E-07*	*1E-07*	*1E-07*	*6E-08*	*8E-07*	*4E-07*	*3E-07*	*1E-07*
ATRAZINE	*0.22*	*3.8*	*7E-07*	*1E-07*	*3E-07*	*6E-08*	*2E-06*	*3E-07*	*6E-07*	*1E-07*
BENZO[A]ANTHRACENE	0.73	22	4E-06	3E-06	1E-06	1E-06	9E-06	7E-06	3E-06	2E-06
BENZO[A]PYRENE	7.3	17	3E-06	2E-05	1E-06	8E-06	7E-06	5E-05	3E-06	2E-05
BENZO[B]FLUORANTHENE	0.73	23	4E-06	3E-06	2E-06	1E-06	1E-05	7E-06	4E-06	3E-06
BENZO[K]FLUORANTHENE	0.073	9.5	2E-06	1E-07	6E-07	5E-08	4E-06	3E-07	1E-06	1E-07
BIS(2-CHLOROETHYL)ETHER	*1.1*	*1.9*	*3E-07*	*4E-07*	*1E-07*	*1E-07*	*8E-07*	*9E-07*	*3E-07*	*3E-07*
DIBENZO[A,H]ANTHRACENE	7.3	6	1E-06	8E-06	4E-07	3E-06	2E-06	2E-05	9E-07	7E-06
HEXACHLOROBENZENE	*1.6*	*1.9*	*3E-07*	*5E-07*	*1E-07*	*2E-07*	*8E-07*	*1E-06*	*3E-07*	*5E-07*
INDENO[1,2,3-CD]PYRENE	0.73	14	2E-06	2E-06	9E-07	7E-07	6E-06	4E-06	2E-06	2E-06
N-NITROSODIPROPYLAMINE	-	*1.9*	*3E-07*	*2E-06*	*1E-07*	*9E-07*	*8E-07*	*5E-06*	*3E-07*	*2E-06*
PENTACHLOROPHENOL	*0.12*	*9.7*	*2E-06*	*2E-07*	*7E-07*	*8E-08*	*4E-06*	*5E-07*	*2E-06*	*2E-07*
			SUM ➢	**4E-05**	**SUM ➢**	**1E-05**	**SUM ➢**	**9E-05**	**SUM ➢**	**3E-05**

PEMCO Site, Baltimore, Maryland
Quantitative Risk Assessment - Noncarcinogenic
Commercial Use - Inhalation of Volatiles & Fugitive Dust/Soil

Chemical	RfDi	Soil [ ] Max (mg/kg)	PEF/ VF	ADD Adult Worker	HQ Adult Worker	ADD Construction Worker	HQ Construction Worker	ADD Child Visitor (< 6 years)	HQ Child Visitor (< 6 years)	ADD Youth Visitor (6 - 17 years)	HQ Youth Visitor (6 - 17 years)
Particulate Emission (Surface soil)			PEF								
ALUMINUM	0.001	8650	6.63E+08	1E-06	1E-03	2E-06	2E-03	4E-07	4E-04	3E-07	3E-04
CHROMIUM	0.00003	33	6.63E+08	4E-09	1E-04	9E-09	3E-04	2E-09	5E-05	1E-09	3E-05
MANGANESE	0.0000143	507	6.63E+08	6E-08	4E-03	1E-07	9E-03	2E-08	2E-03	2E-08	1E-03
MERCURY	0.000086	0.05	6.63E+08	6E-12	7E-08	1E-11	2E-07	2E-12	3E-08	2E-12	2E-08
Volatilization (Surface soil)			VF								
ALUMINUM	0.001	8650									
CHROMIUM	0.00003	33									
MANGANESE	0.0000143	507									
MERCURY	0.000086	0.05									
Particulate Emission (Sub-surface soil)			PEF								
Volatilization (Sub-surface soil)			VF								
#N/A= not applicable or not calculable.			**Surface soil**	**SUM ➢**	**0.005**	**SUM ➢**	**0.01**	**SUM ➢**	**0.002**	**SUM ➢**	**0.001**
			Sub-surface soil	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**

PEMCO Site, Baltimore, Maryland
Table 4. Quantitative Risk Assessment - Carcinogenic
Commercial Use - Inhalation of Volatiles & Fugitive Dust/Soil

Chemical	CSFi	Soil [ ] Max (mg/kg)	PEF/ VF	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
Particulate Emission (Surface soil)			PEF								
ARSENIC	15.1	7.2	6.63E+08	3E-10	5E-09	2E-11	3E-10	3E-11	4E-10	4E-11	6E-10
CHROMIUM	41	33	6.63E+08	1E-09	6E-08	8E-11	3E-09	1E-10	5E-09	2E-10	7E-09
BENZO[A]PYRENE	3.1	17	6.63E+08	7E-10	2E-09	4E-11	1E-10	7E-11	2E-10	9E-11	3E-10
BIS(2-CHLOROETHYL)ETHER	*1.1*	*1.9*	*6.63E+08*	*8E-11*	*9E-11*	*5E-12*	*5E-12*	*8E-12*	*8E-12*	*1E-11*	*1E-11*
HEXACHLOROBENZENE	*1.6*	*1.9*	*6.63E+08*	*8E-11*	*1E-10*	*5E-12*	*8E-12*	*8E-12*	*1E-11*	*1E-11*	*2E-11*
Volatilization (Surface soil)			VF								
ARSENIC	15.1	7.2									
CHROMIUM	41	33									
BENZO[A]PYRENE	3.1	17	1.62E+07	3E-08	9E-08	2E-09	5E-09	3E-09	9E-09	4E-09	1E-08
BIS(2-CHLOROETHYL)ETHER	*1.1*	*1.9*	*1.62E+04*	*2E-06*	*3E-06*	*1E-07*	*2E-07*	*2E-07*	*2E-07*	*3E-07*	*5E-07*
HEXACHLOROBENZENE	*1.6*	*1.9*	*1.62E+03*	*4E-07*	*7E-07*	*3E-08*	*4E-08*	*4E-08*	*7E-08*	*5E-08*	*9E-08*
Particulate Emission (Sub-surface soil)			PEF								
Volatilization (Sub-surface soil)			VF								
#N/A= not applicable or not calculable.			**Surface soil**	**SUM ➢**	**2E-07**	**SUM ➢**	**9E-09**	**SUM ➢**	**1E-08**	**SUM ➢**	**2E-08**
			Sub-surface soil	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**

(ORIGINAL (Red))

ORIGINAL (Red)

PEMCO Site, Baltimore, Maryland
Table 5. Quantitative Risk Assessment - Noncarcinogenic
Commercial Use - Dermal Exposure to Soil

Chemical	RfDd (Dermal)	Soil [ ] Max (mg/kg)	ADD Adult Worker	HQ Adult Worker	ADD Construction Worker	HQ Construction Worker	Child Visitor (< 6 years)		ADD Youth Visitor (6 - 17 years)	HQ Youth Visitor (6 - 17 years)
Surface Soil										
ALUMINUM	0.2	8650	1E-04	7E-04	1E-04	7E-04	3E-04	1E-03	7E-05	3E-04
ARSENIC	0.0003	7.2	3E-07	1E-03	3E-07	1E-03	7E-07	2E-03	2E-07	6E-04
CHROMIUM	0.0006	33	5E-07	9E-04	5E-07	9E-04	1E-06	2E-03	3E-07	4E-04
MANGANESE	0.0012	507	8E-06	7E-03	8E-06	7E-03	2E-05	1E-02	4E-06	3E-03
4,6-DINITRO-2-METHYLPHENOL	*0.0001*	*9.7*	*2E-06*	*2E-02*	*2E-06*	*2E-02*	*3E-06*	*3E-02*	*8E-07*	*8E-03*
ATRAZINE	*0.035*	*3.8*	*6E-07*	*2E-05*	*6E-07*	*2E-05*	*1E-06*	*4E-05*	*3E-07*	*8E-06*
HEXACHLOROBENZENE	*#N/A*	*1.9*								
PENTACHLOROPHENOL	*0.03*	*9.7*	*4E-06*	*1E-04*	*4E-06*	*1E-04*	*8E-06*	*3E-04*	*2E-06*	*6E-05*
Sub-Surface Soil										
#N/A= not applicable or not calculable.		**Surface soil**	**SUM ➢**	**0.01**	**SUM ➢**	**0.01**	**SUM ➢**	**0.02**	**SUM ➢**	**0.005**
		Sub-surface soil	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**

PEMCO Site, Baltimore, Maryland
Table 6. Quantitative Risk Assessment - Carcinogenic
Commercial Use - Dermal Exposure to Soil

Chemical	CSFd	Soil [ ] Max (mg/kg)	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
Surface Soil										
ARSENIC	1.5	7.2	1E-07	2E-07	5E-09	7E-09	6E-08	9E-08	3E-08	4E-08
3,3'-DICHLOROBENZIDINE	*0.5*	*1.9*	*1E-07*	*5E-08*	*4E-09*	*2E-09*	*6E-08*	*2E-08*	*3E-08*	*1E-08*
ATRAZINE	*0.2*	*3.8*	*2E-07*	*5E-08*	*9E-09*	*2E-09*	*1E-07*	*2E-08*	*5E-08*	*1E-08*
BENZO[A]ANTHRACENE	0.7	22	2E-06	1E-06	7E-08	5E-08	8E-07	6E-07	4E-07	3E-07
BENZO[A]PYRENE	7.3	17	1E-06	9E-06	5E-08	4E-07	6E-07	5E-06	3E-07	2E-06
BENZO[B]FLUORANTHENE	0.7	23	2E-06	1E-06	7E-08	5E-08	9E-07	6E-07	4E-07	3E-07
BENZO[K]FLUORANTHENE	0.1	9.5	7E-07	5E-08	3E-08	2E-09	4E-07	3E-08	2E-07	1E-08
BIS(2-CHLOROETHYL)ETHER	*1.1*	*1.9*	*1E-07*	*1E-07*	*4E-09*	*5E-09*	*6E-08*	*6E-08*	*3E-08*	*3E-08*
DIBENZO[A,H]ANTHRACENE	7.3	6	4E-07	3E-06	2E-08	1E-07	2E-07	2E-06	1E-07	8E-07
HEXACHLOROBENZENE	*#N/A*	*1.9*								
INDENO[1,2,3-CD]PYRENE	0.7	14	1E-06	8E-07	4E-08	3E-08	5E-07	4E-07	2E-07	2E-07
N-NITROSODIPROPYLAMINE	*7.0*	*1.9*	*1E-07*	*8E-07*	*4E-09*	*3E-08*	*6E-08*	*4E-07*	*3E-08*	*2E-07*
PENTACHLOROPHENOL	*0.1*	*9.7*	*1E-06*	*2E-07*	*6E-08*	*7E-09*	*7E-07*	*8E-08*	*3E-07*	*4E-08*
Subsurface Soil										
#N/A= not applicable or not calculable.		**Surface soil**	**SUM ➢**	**2E-05**	**SUM ➢**	**6E-07**	**SUM ➢**	**8E-06**	**SUM ➢**	**4E-06**
		Sub-[illegible]oil	**SUM ➢**	**#N/A**	**SUM ➢**		**SUM ➢**	**#N/A**	**SUM ➢**	**#N/A**

PEMCO Site, Baltimore, Maryland
/. Quantitative Risk Assessment - Noncarcinogenic
Commercial Use - Incidental Ingestion/Sediment

Chemical	RfDo	Sediment Max Conc. (mg/kg)	ADD Adult Worker	HQ Adult Worker	ADD Construction Worker	HQ Construction Worker	ADD Child Visitor (< 6 years)	HQ Child Visitor (< 6 years)	ADD Youth Visitor (6 - 17 years)	HQ Youth Visitor (6 - 17 years)
ALUMINUM	1	9910	5E-03	5E-03	5E-02	5E-02	5E-02	5E-02	9E-03	9E-03
ANTIMONY	0.0004	38.8	2E-05	5E-02	2E-04	5E-01	2E-04	5E-01	4E-05	9E-02
ARSENIC	0.0003	14.7	7E-06	2E-02	7E-05	2E-01	7E-05	2E-01	1E-05	4E-02
BARIUM	0.07	1020	5E-04	7E-03	5E-03	7E-02	5E-03	7E-02	9E-04	1E-02
CADMIUM	0.001	165	8E-05	8E-02	8E-04	8E-01	8E-04	8E-01	1E-04	1E-01
CHROMIUM	0.003	685	3E-04	1E-01	3E-03	1E+00	3E-03	1E+00	6E-04	2E-01
COPPER	0.04	619	3E-04	8E-03	3E-03	7E-02	3E-03	7E-02	6E-04	1E-02
MANGANESE	0.02	1040	5E-04	3E-02	5E-03	2E-01	5E-03	3E-01	9E-04	5E-02
NICKEL	0.02	412	2E-04	1E-02	2E-03	1E-01	2E-03	1E-01	4E-04	2E-02
THALLIUM	0.00007	6	3E-06	4E-02	3E-05	4E-01	3E-05	4E-01	5E-06	8E-02
VANADIUM	0.007	68	3E-05	5E-03	3E-04	5E-02	3E-04	5E-02	6E-05	9E-03
4,6-DINITRO-2-METHYLPHENOL	*0.0001*	*6*	*3E-06*	*3E-02*	*3E-05*	*3E-01*	*3E-05*	*3E-01*	*5E-06*	*5E-02*
ATRAZINE	*0.035*	*4.8*	*2E-06*	*7E-05*	*2E-05*	*6E-04*	*2E-05*	*7E-04*	*4E-06*	*1E-04*
HEXACHLOROBENZENE	*0.0008*	*2.4*	*1E-06*	*1E-03*	*1E-05*	*1E-02*	*1E-05*	*1E-02*	*2E-06*	*3E-03*
PENTACHLOROPHENOL	*0.03*	*6*	*3E-06*	*1E-04*	*3E-05*	*9E-04*	*3E-05*	*1E-03*	*5E-06*	*2E-04*
			SUM ➢	0.4	SUM ➢	[illegible]	SUM ➢	[illegible]	SUM ➢	0.7

PEMCO Site, Baltimore, Maryland
Table 8. Quantitative Risk Assessment - Carcinogenic
Commercial Use - Incidental Ingestion/Sediment

Chemical	CSFo	Soil [ ] Max (mg/kg)	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
ARSENIC	1.5	14.7	3E-06	4E-06	1E-06	1E-06	6E-06	9E-06	2E-06	3E-06
3,3'-DICHLOROBENZIDINE	*0.45*	*2.4*	*4E-07*	*2E-07*	*2E-07*	*7E-08*	*1E-06*	*4E-07*	*4E-07*	*2E-07*
ATRAZINE	*0.22*	*4.8*	*8E-07*	*2E-07*	*3E-07*	*7E-08*	*2E-06*	*4E-07*	*7E-07*	*2E-07*
BENZO[A]ANTHRACENE	0.73	5.7	1E-06	7E-07	4E-07	3E-07	2E-06	2E-06	9E-07	6E-07
BENZO[A]PYRENE	7.3	5.2	9E-07	7E-06	3E-07	3E-06	2E-06	2E-05	8E-07	6E-06
BENZO[B]FLUORANTHENE	0.73	5.3	9E-07	7E-07	4E-07	3E-07	2E-06	2E-06	8E-07	6E-07
BIS(2-CHLOROETHYL)ETHER	*1.1*	*2.4*	*4E-07*	*5E-07*	*2E-07*	*2E-07*	*1E-06*	*1E-06*	*4E-07*	*4E-07*
DIBENZO[A,H]ANTHRACENE	7.3	1.1	2E-07	1E-06	7E-08	5E-07	5E-07	3E-06	2E-07	1E-06
HEXACHLOROBENZENE	*1.6*	*2.4*	*4E-07*	*7E-07*	*2E-07*	*3E-07*	*1E-06*	*2E-06*	*4E-07*	*6E-07*
INDENO[1,2,3-CD]PYRENE	0.73	3.3	6E-07	4E-07	2E-07	2E-07	1E-06	1E-06	5E-07	4E-07
N-NITROSODIPROPYLAMINE	*7*	*2.4*	*4E-07*	*3E-06*	*2E-07*	*1E-06*	*1E-06*	*7E-06*	*4E-07*	*3E-06*
PENTACHLOROPHENOL	*0.12*	*6*	*1E-06*	*1E-07*	*4E-07*	*5E-08*	*2E-06*	*3E-07*	*9E-07*	*1E-07*
			SUM ➢	1E-05	SUM ➢	5E-06	SUM ➢	3E-05	SUM ➢	1E-05

PEMCO Site, Baltimore, Maryland

Table 9. Quantitative Risk Assessment - Noncarcinogenic

Commercial Use - Inhalation of Volatiles & Fugitive Dust/Sediment

Chemical	RfDi	Soil [ ] Max (mg/kg)	PEF/ VF	ADD Adult Worker	HQ Adult Worker	ADD Construction Worker	HQ Construction Worker	ADD Child Visitor (< 6 years)	HQ Child Visitor (< 6 years)	ADD Youth Visitor (6 - 17 years)	HQ Youth Visitor (6 - 17 years)
Particulate Emission (Surface soil)			**PEF**								
ALUMINUM	0.001	9910	6.63E+08	1E-06	1E-03	3E-06	3E-03	5E-07	5E-04	3E-07	3E-04
BARIUM	0.00014	1020	6.63E+08	1E-07	9E-04	3E-07	2E-03	5E-08	3E-04	3E-08	2E-04
CADMIUM	0.000057	165	6.63E+08	2E-08	3E-04	4E-08	7E-04	8E-09	1E-04	5E-09	9E-05
CHROMIUM	0.00003	685	6.63E+08	8E-08	3E-03	2E-07	6E-03	3E-08	1E-03	2E-08	7E-04
MANGANESE	0.0000143	1040	6.63E+08	1E-07	9E-03	3E-07	2E-02	5E-08	3E-03	3E-08	2E-03
MERCURY	0.000086	0.1	6.63E+08	1E-11	1E-07	3E-11	3E-07	5E-12	5E-08	3E-12	4E-08
Volatilization (Surface soil)			**VF**								
ALUMINUM	0.001	9910									
BARIUM	0.00014	1020									
CADMIUM	0.000057	165									
CHROMIUM	0.00003	685									
MANGANESE	0.0000143	1040									
MERCURY	0.000086	0.1									
Particulate Emission (Sub-surface soil)			**PEF**								
Volatilization (Sub-surface soil)			**VF**								
#N/A= not applicable or not calculable.			**Surface soil**	**SUM >**	**0.01**	**SUM >**	**0.03**	**SUM >**	**0.005**	**SUM >**	**0.004**
			Sub-surface soil	**SUM >**	**N/A**	**SUM >**	**N/A**	**SUM >**	**N/A**	**SUM >**	**N/A**

PEMCO Site, Baltimore, Maryland

Table 10. Quantitative Risk Assessment - Carcinogenic

Commercial Use - Inhalation of Volatiles & Fugitive Dust/Sediment

Chemical	CSFi	Soil [ ] Max (mg/kg)	PEF/ VF	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
Particulate Emission (Surface soil)			**PEF**								
ARSENIC	15.1	14.7	6.63E+08	6E-10	9E-09	4E-11	6E-10	6E-11	9E-10	8E-11	1E-09
CADMIUM	6.3	165	6.63E+08	7E-09	4E-08	4E-10	3E-09	7E-10	4E-09	9E-10	5E-09
CHROMIUM	41	685	6.63E+08	3E-08	1E-06	2E-09	7E-08	3E-09	1E-07	4E-09	1E-07
BENZO[A]PYRENE	3.1	5.2	6.63E+08	2E-10	7E-10	1E-11	4E-11	2E-11	6E-11	3E-11	8E-11
BIS(2-CHLOROETHYL)ETHER	*1.1*	*2.2*	*6.63E+08*	*1E-10*	*1E-10*	*6E-12*	*7E-12*	*1E-11*	*1E-11*	*1E-11*	*1E-11*
HEXACHLOROBENZENE	*1.6*	*2.2*	*6.63E+08*	*1E-10*	*2E-10*	*6E-12*	*1E-11*	*1E-11*	*2E-11*	*1E-11*	*2E-11*
Volatilization (Surface soil)			**VF**								
ARSENIC	15.1	14.7									
CADMIUM	6.3	165									
CHROMIUM	41	685									
BENZO[A]PYRENE	3.1	5.2	1.62E+07	9E-09	3E-08	5E-10	2E-09	8E-10	3E-09	1E-09	3E-09
BIS(2-CHLOROETHYL)ETHER	*1.1*	*2.2*	*1.23E+05*	*3E-06*	*3E-06*	*2E-07*	*2E-07*	*3E-07*	*3E-07*	*4E-07*	*4E-07*
HEXACHLOROBENZENE	*1.6*	*2.2*	*1.23E+05*	*5E-07*	*9E-07*	*3E-08*	*5E-08*	*5E-08*	*8E-08*	*7E-08*	*1E-07*
Particulate Emission (Sub-surface soil)			**PEF**								
Volatilization (Sub-surface soil)			**VF**								
#N/A= not applicable or not calculable.			**Surface soil**	**SUM >**	**2E-06**	**SUM >**	**1E-07**	**SUM >**	**2E-07**	**SUM >**	**3E-07**
			Sub-surface soil	**SUM >**	**#N/A**	**SUM >**	**#N/A**	**SUM >**	**#N/A**	**SUM >**	**#N/A**

P[illegible] Site, [illegible]ore, M[illegible] [illegible]nd [illegible]

T[illegible]1. Quantitative Risk Assessment - Noncarcinogenic

[illegible]mercial Use - Dermal Exposure to Sediment

Chemical	RfDd (Dermal)	Soil [ ] Max (mg/kg)	ADD	HQ	ADD	HQ	ADD	HQ	ADD	HQ
			Adult Worker		Construction Worker		Child Visitor (< 6 years)		Youth Visitor (6 - 17 years)	
ALUMINUM	0.2	9910	2E-04	8E-04	2E-04	8E-04	3E-04	2E-03	8E-05	4E-04
ANTIMONY	0.00008	38.8	6E-07	8E-03	6E-07	8E-03	1E-06	2E-02	3E-07	4E-03
ARSENIC	0.0003	14.7	7E-07	2E-03	7E-07	2E-03	1E-06	5E-03	3E-07	1E-03
BARIUM	0.07	1020	2E-05	2E-04	2E-05	2E-04	3E-05	5E-04	8E-06	1E-04
CADMIUM	0.00003	165	3E-06	9E-02	3E-06	9E-02	6E-06	2E-01	1E-06	4E-02
CHROMIUM	0.0006	685	1E-05	2E-02	1E-05	2E-02	2E-05	4E-02	5E-06	9E-03
COPPER	0.04	619	1E-05	2E-04	1E-05	2E-04	2E-05	5E-04	5E-06	1E-04
MANGANESE	0.0012	1040	2E-05	1E-02	2E-05	1E-02	4E-05	3E-02	8E-06	7E-03
NICKEL	0.0008	412	7E-06	8E-03	7E-06	8E-03	1E-05	2E-02	3E-06	4E-03
THALLIUM	0.00007	6	1E-07	1E-03	1E-07	1E-03	2E-07	3E-03	5E-08	7E-04
VANADIUM	0.00021	68	1E-06	5E-03	1E-06	5E-03	2E-06	1E-02	5E-07	3E-03
4,6-DINITRO-2-METHYLPHENOL	*0.0001*	*6*	*1E-06*	*1E-02*	*1E-06*	*1E-02*	*2E-06*	*2E-02*	*5E-07*	*5E-03*
ATRAZINE	*0.035*	*4.8*	*8E-07*	*2E-05*	*8E-07*	*2E-05*	*2E-06*	*5E-05*	*4E-07*	*1E-05*
HEXACHLOROBENZENE	*#N/A*	*2.4*								
PENTACHLOROPHENOL	*0.03*	*6*	*2E-06*	*8E-05*	*2E-06*	*8E-05*	*5E-06*	*2E-04*	*1E-06*	*4E-05*
#N/A= not applicable or not calculable.		Surface soil	SUM ➢	0.1	SUM ➢	0.1	SUM ➢	0.3	SUM ➢	0.1
		Sub-surface soil	SUM ➢	#N/A	SUM ➢	#N/A	SUM ➢	#N/A	SUM ➢	#N/A

PEMCO Site, Baltimore, Maryland

Table 12. Quantitative Risk Assessment - Carcinogenic

Commercial Use - Dermal Exposure to Sediment

Chemical	CSFd	Soil [ ] Max (mg/kg)	LADD	CR	LADD	CR	LADD	CR	LADD	CR
			Adult Worker		Construction Worker		Child Visitor (< 6 years)		Youth Visitor (6 - 17 years)	
ARSENIC	1.5	14.7	3E-07	4E-07	1E-08	2E-08	1E-07	2E-07	6E-08	9E-08
3,3'-DICHLOROBENZIDINE	*0.5*	*2.4*	*1E-07*	*6E-08*	*6E-09*	*2E-09*	*7E-08*	*3E-08*	*3E-08*	*1E-08*
ATRAZINE	*0.2*	*4.8*	*3E-07*	*6E-08*	*1E-08*	*2E-09*	*1E-07*	*3E-08*	*6E-08*	*1E-08*
BENZO[A]ANTHRACENE	0.7	5.7	4E-07	3E-07	2E-08	1E-08	2E-07	2E-07	1E-07	7E-08
BENZO[A]PYRENE	7.3	5.2	4E-07	3E-06	2E-08	1E-07	2E-07	1E-06	9E-08	7E-07
BENZO[B]FLUORANTHENE	0.7	5.3	4E-07	3E-07	2E-08	1E-08	2E-07	1E-07	9E-08	7E-08
BIS(2-CHLOROETHYL)ETHER	*1.1*	*2.4*	*1E-07*	*2E-07*	*6E-09*	*6E-09*	*7E-08*	*8E-08*	*3E-08*	*4E-08*
DIBENZO[A,H]ANTHRACENE	7.3	1.1	8E-08	6E-07	3E-09	2E-08	4E-08	3E-07	2E-08	1E-07
HEXACHLOROBENZENE	*#N/A*	*2.4*								
INDENO[1,2,3-CD]PYRENE	0.7	3.3	2E-07	2E-07	1E-08	7E-09	1E-07	9E-08	6E-08	4E-08
N-NITROSODIPROPYLAMINE	*7.0*	*2.4*	*1E-07*	*1E-06*	*6E-09*	*4E-08*	*7E-08*	*5E-07*	*3E-08*	*2E-07*
PENTACHLOROPHENOL	*0.1*	*6*	*9E-07*	*1E-07*	*3E-08*	*4E-09*	*4E-07*	*5E-08*	*2E-07*	*2E-08*
#N/A= not applicable or not calculable.		Surface soil	SUM ➢	5E-06	SUM ➢	2E-07	SUM ➢	2E-06	SUM ➢	1E-06
		Sub-surface soil	SUM ➢	#N/A	SUM ➢	#N/A	SUM ➢	#N/A	SUM ➢	#N/A

PEMCO Site, Baltimore, Maryland

Table 13. Quantitative Risk Assessment - Noncarcinogenic

Commercial Use - Ingestion of Drinking Water/Groundwater

Chemical	RfDo	Groundwater Max Conc. (ug/L)	ADD Adult Worker	HQ Adult Worker	ADD Construction Worker	HQ Construction Worker	ADD Child Visitor (< 6 years)	HQ Child Visitor (< 6 years)	ADD Youth Visitor (6 - 17 years)	HQ Youth Visitor (6 - 17 years)
ALUMINUM	1	9190	9E-02	9E-02	3E-01	3E-01	2E-01	2E-01	2E-01	2E-01
ANTIMONY	0.0004	30	3E-04	7E-01	9E-04	2E-00	7E-04	2E-00	5E-04	1E-00
ARSENIC	0.0003	20	2E-04	7E-01	6E-04	2E+00	5E-04	2E+00	4E-04	1E+00
CHROMIUM	0.003	40	4E-04	1E-01	1E-03	4E-01	1E-03	3E-01	7E-04	2E-01
MANGANESE	0.02	204	2E-03	1E-01	6E-03	3E-01	5E-03	2E-01	4E-03	2E-01
NICKEL	0.02	134	1E-03	7E-02	4E-03	2E-01	3E-03	2E-01	2E-03	1E-01
THALLIUM	0.00007	1	1E-05	1E-01	3E-05	4E-01	2E-05	3E-01	2E-05	3E-01
VANADIUM	0.007	77	8E-04	1E-01	2E-03	3E-01	2E-03	3E-01	1E-03	2E-01
1,1,2,2-TETRACHLOROETHANE	0.06	5	5E-05	8E-04	1E-04	2E-03	1E-04	2E-03	9E-05	2E-03
1,1,2-TRICHLOROETHANE	0.004	5	5E-05	1E-02	1E-04	3E-02	1E-04	3E-02	9E-05	2E-02
1,1-DICHLOROETHENE	0.009	5	5E-05	5E-03	1E-04	2E-02	1E-04	1E-02	9E-05	1E-02
1,2-DICHLOROETHANE	0.03	5	5E-05	2E-03	1E-04	5E-03	1E-04	4E-03	9E-05	3E-03
1,3-DICHLOROBENZENE	0.0009	5	5E-05	5E-02	1E-04	2E-01	1E-04	1E-01	9E-05	1E-01
1,4-DICHLOROBENZENE	0.03	5	5E-05	2E-03	1E-04	5E-03	1E-04	1E-03	9E-05	3E-03
2,4-DINITROPHENOL	0.002	12.5	1E-04	6E-02	3E-04	2E-01	3E-04	2E-01	2E-04	1E-01
2,6-DINITROTOLUENE	0.001	5	5E-05	5E-02	1E-04	1E-01	1E-04	1E-01	9E-05	9E-02
2-CHLOROPHENOL	0.005	5	5E-05	1E-02	1E-04	3E-02	1E-04	2E-02	9E-05	2E-02
4,6-DINITRO-2-METHYLPHENOL	0.0000	12.5	1E-04	1E-00	3E-04	4E-00	3E-04	3E-00	2E-04	2E-00
ACETOPHENONE	0.1	5	5E-05	5E-04	1E-04	1E-03	1E-04	1E-03	9E-05	9E-04
ALDRIN	0.00003	0.025	2E-07	8E-03	7E-07	2E-02	6E-07	2E-02	5E-07	2E-02
BENZOPYRENE	0.0002	0.5	5E-06	2E-04	1E-05	7E-04	1E-05	6E-04	9E-06	5E-04
BENZENE	0.35	5	5E-05	1E-03	1E-04	3E-03	1E-04	3E-03	9E-05	3E-03
BENZOIC ACID	0.05	5	5E-05	2E-02	1E-04	5E-02	1E-04	4E-02	9E-05	3E-02
BIS(2-CHLOROETHYL)ETHER	0.01	5	5E-05	1E-03	1E-04	3E-03	1E-04	3E-03	9E-05	2E-03
BIS(2-ETHYLHEXYL)PHTHALATE	0.02	5	5E-05	2E-03	1E-04	7E-03	1E-04	6E-03	9E-05	5E-03
BROMODICHLOROMETHANE	0.02	5	5E-05	2E-03	1E-04	7E-03	1E-04	6E-03	9E-05	5E-03
BROMOFORM	0.0201	5	5E-05	3E-03	1E-04	1E-02	1E-04	9E-02	9E-05	6E-03
CARBON TETRACHLORIDE	0.0007	5	5E-05	7E-02	1E-04	2E-01	1E-04	2E-01	9E-05	2E-01
CHLOROETHANE	0.4	5	5E-05	1E-04	1E-04	1E-04	1E-04	3E-04	9E-05	2E-04
CHLOROFORM	0.01	5	5E-05	5E-03	1E-04	1E-02	1E-04	1E-02	9E-05	9E-03
CIS-1,2-DICHLOROETHENE	0.0103	5	5E-05	2E-04	1E-04	5E-04	1E-04	4E-04	9E-05	3E-04
DIBENZOFURAN	0.004	5	5E-05	1E-02	1E-04	1E-02	1E-04	3E-02	9E-05	2E-02
DIBROMOCHLOROMETHANE	0.02	5	5E-05	2E-03	1E-04	7E-03	1E-04	6E-03	9E-05	5E-03
DIELDRIN	0.00005	0.05	5E-07	1E-02	1E-06	3E-02	1E-06	2E-02	9E-07	2E-02
HEPTACHLOR	0.0007	0.025	2E-07	5E-04	7E-07	1E-03	6E-07	1E-03	5E-07	9E-04
HEPTACHLOR EPOXIDE	0.00013	0.025	2E-07	2E-03	7E-07	6E-03	6E-07	5E-03	5E-07	3E-03
HEXACHLOROBENZENE	0.0008	5	5E-05	6E-02	1E-04	2E-01	1E-04	2E-01	9E-05	1E-01
HEXACHLOROBUTADIENE	0.0002	5	5E-05	2E-01	1E-04	7E-01	1E-04	6E-01	9E-05	5E-01
HEXACHLOROETHANE	0.001	5	5E-05	5E-02	1E-04	1E-01	1E-04	1E-01	9E-05	9E-02
METHYLENE CHLORIDE	0.06	5	5E-05	8E-04	1E-04	2E-03	1E-04	2E-03	9E-05	2E-03
NAPHTHALENE	0.02	5	5E-05	2E-03	1E-04	7E-03	1E-04	6E-03	9E-05	5E-03
NITROBENZENE	0.0005	5	5E-05	1E-01	1E-04	3E-01	1E-04	2E-01	9E-05	2E-01
PENTACHLOROPHENOL	0.03	12.5	1E-04	1E-03	3E-04	1E-02	3E-04	1E-02	2E-04	8E-03
TETRACHLOROETHENE	0.02	5	5E-05	3E-03	1E-04	1E-02	1E-04	1E-02	9E-05	9E-03
TRANS-1,3-DICHLOROPROPENE	0.0003	5	5E-05	2E-01	1E-04	5E-01	1E-04	4E-01	9E-05	3E-01
TRICHLOROETHENE	0.006	5	5E-05	8E-03	1E-04	2E-02	1E-04	2E-02	9E-05	2E-02
			SUM >	1	SUM >	[illegible]	SUM >	[illegible]	SUM >	[illegible]

PEMCO Site, Baltimore, Maryland
Table 14. Quantitative Risk Assessment - Carcinogenic
Commercial Use - Ingestion of Drinking Water/Groundwater

Chemical	CSFo	Groundwater [ ] Max (ug/l)	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
ARSENIC	1.5	20	7E-05	1E-04	8E-06	1E-05	4E-05	6E-05	6E-05	9E-05
1,1,2,2-TETRACHLOROETHANE	0.2	5	2E-05	3E-06	2E-06	4E-07	4E-05	2E-06	2E-05	3E-06
1,1,2-TRICHLOROETHANE	0.057	5	2E-05	1E-06	2E-06	1E-07	1E-05	6E-07	2E-05	9E-07
1,1-DICHLOROETHENE	0.6	5	2E-05	1E-05	2E-06	1E-06	1E-05	6E-06	2E-05	9E-06
1,2-DIBROMO-3-CHLOROPROPANE	1.4	5	2E-05	2E-05	2E-06	3E-06	1E-05	1E-05	2E-05	2E-05
1,2-DIBROMOETHANE	85	5	2E-05	1E-03	2E-06	2E-04	1E-05	9E-04	2E-05	1E-03
1,2-DICHLOROETHANE	0.091	5	2E-05	2E-06	2E-06	2E-07	1E-05	9E-07	2E-05	1E-06
1,2-DICHLOROPROPANE	0.068	5	2E-05	1E-06	2E-06	1E-07	1E-05	7E-07	2E-05	1E-06
1,4-DICHLOROBENZENE	0.054	5	2E-05	1E-07	2E-06	3E-08	1E-05	2E-07	2E-05	1E-07
3,3'-DICHLOROBENZIDINE	0.45	5	2E-05	8E-06	2E-06	9E-07	1E-05	5E-06	2E-05	7E-06
ALDRIN	17	0.075	9E-08	1E-06	1E-08	2E-07	5E-08	9E-07	8E-08	1E-06
ALPHA-BHC	6.3	0.075	9E-08	6E-07	1E-08	7E-08	3E-08	3E-07	8E-08	5E-07
AROCLOR 1221		0.5	2E-06	3E-06	2E-07	1E-07	1E-06	2E-06	2E-06	3E-06
AROCLOR 1232		0.5	2E-06	3E-06	2E-07	1E-07	1E-06	2E-06	2E-06	3E-06
AROCLOR-1242		0.5	2E-06	3E-06	2E-07	1E-07	1E-06	2E-06	2E-06	3E-06
AROCLOR-1248		0.5	2E-06	3E-06	2E-07	1E-07	1E-06	2E-06	2E-06	3E-06
AROCLOR 1254		0.5	2E-06	3E-06	2E-07	1E-07	1E-06	2E-06	2E-06	3E-06
AROCLOR-1260		0.5	2E-06	3E-06	2E-07	1E-07	1E-06	2E-06	2E-06	3E-06
ARSENIC	1.5	5	2E-05	1E-06	2E-06	3E-07	1E-05	2E-06	2E-05	3E-06
BENZENE	0.029	5	2E-05	1E-06	2E-06	1E-07	1E-05	6E-07	2E-05	9E-07
BENZO(A)ANTHRACENE	0.73	5	2E-05	1E-05	2E-06	2E-06	1E-05	8E-06	2E-05	1E-05
BENZO(A)PYRENE	7.3	5	2E-05	1E-04	2E-06	2E-05	1E-05	8E-05	2E-05	1E-04
BENZO(B)FLUORANTHENE	0.73	5	2E-05	1E-05	2E-06	2E-06	1E-05	8E-06	2E-05	1E-05
BENZO(K)FLUORANTHENE	0.073	5	2E-05	1E-06	2E-06	2E-07	1E-05	8E-07	2E-05	2E-06
BIS(2-CHLOROETHYL)ETHER	1.1	5	2E-05	2E-05	2E-06	2E-06	1E-05	1E-05	2E-05	2E-05
BIS(2-CHLOROISOPROPYL)ETHER	0.07	5	2E-05	1E-06	2E-06	1E-07	1E-05	7E-07	2E-05	1E-06
BIS-2-ETHYLHEXYL PHTHALATE	0.014	5	2E-05	2E-07	2E-06	3E-08	1E-05	1E-07	2E-05	2E-07
BROMODICHLOROMETHANE	0.62	5	2E-05	1E-06	2E-06	1E-07	1E-05	6E-07	2E-05	1E-06
CARBAZOLE	0.02	10	3E-05	7E-07	4E-06	8E-08	2E-05	4E-07	3E-05	6E-07
CARBON TETRACHLORIDE	0.13	5	2E-05	2E-06	2E-06	3E-07	1E-05	1E-06	2E-05	2E-06
CHLOROETHANE	0.0029	5	2E-05	5E-08	2E-06	6E-09	1E-05	3E-08	2E-05	4E-08
CHLOROFORM	0.061	5	2E-05	1E-07	2E-06	1E-08	1E-05	6E-08	2E-05	9E-08
CHLOROETHANE	0.013	5	2E-05	2E-07	2E-06	3E-08	1E-05	1E-07	2E-05	2E-07
CIS-1,3-DICHLOROPROPENE	0.4	5	2E-05	3E-06	2E-06	4E-07	1E-05	2E-06	2E-05	3E-06
DIBENZO(A,H)ANTHRACENE	7.3	5	2E-05	1E-04	2E-06	2E-05	1E-05	8E-05	2E-05	1E-04
DIBROMOCHLOROPROPANE	0.56	5	2E-05	1E-06	2E-06	2E-07	1E-05	9E-07	2E-05	1E-06
DIELDRIN	17	0.05	2E-07	3E-06	2E-08	4E-07	1E-07	2E-06	2E-07	2E-06
HEPTACHLOR	4.5	0.025	9E-08	1E-07	1E-08	5E-08	5E-08	2E-07	8E-08	3E-07
HEPTACHLOR EPOXIDE	9.1	0.025	9E-08	8E-07	1E-08	1E-07	5E-08	5E-07	8E-08	7E-07
HEXACHLOROBENZENE	1.6	5	2E-05	3E-05	2E-06	3E-06	1E-05	2E-05	2E-05	2E-05
HEXACHLOROBUTADIENE	0.078	5	2E-05	1E-06	2E-06	2E-07	1E-05	8E-07	2E-05	1E-06
HEXACHLOROETHANE	0.014	5	2E-05	2E-07	2E-06	3E-08	1E-05	1E-07	2E-05	2E-07
INDENO(1,2,3-CD)PYRENE	0.73	5	2E-05	1E-05	2E-06	2E-06	1E-05	8E-06	2E-05	1E-05
METHYLENE CHLORIDE	0.0075	5	2E-05	1E-07	2E-06	2E-08	1E-05	8E-08	2E-05	1E-07
N-NITROSODIPROPYLAMINE	7	5	2E-05	1E-04	2E-06	1E-05	1E-05	7E-05	2E-05	1E-04
PENTACHLOROPHENOL	0.12	12.5	1E-05	3E-06	5E-06	6E-07	3E-05	3E-06	1E-05	5E-06
TETRACHLOROETHENE	0.052	5	2E-05	9E-07	2E-06	1E-07	1E-05	5E-07	2E-05	8E-07
TOXAPHENE	1.1	2.5	9E-06	1E-05	1E-06	1E-06	5E-06	6E-06	8E-06	9E-06
TRANS-1,3-DICHLOROPROPENE	0.18	5	2E-05	3E-06	2E-06	4E-07	1E-05	2E-06	2E-05	3E-06
TRICHLOROETHENE	0.011	5	2E-05	2E-07	2E-06	2E-08	1E-05	1E-07	2E-05	2E-07
VINYL CHLORIDE	2.3	5	2E-05	3E-05	2E-06	4E-06	1E-05	2E-05	2E-05	3E-05
			SUM >	1E-04	SUM >	1E-05	SUM >	6E-05	SUM >	9E-05

PEMCO Site, Baltimore, Maryland
Table 15. Quantitative Risk Assessment - Noncarcinogenic
Commercial Use - Dermal Exposure to Groundwater

Chemical	RfDd (Dermal)	Water [ ] Max (ug/l)	ADD	HQ	ADD	HQ	ADD	HQ	ADD	HQ
			Adult Worker		Construction Worker		Child Visitor (< 6 years)		Youth Visitor (6 - 17 years)	
ALUMINUM	0.2	9190								
ANTIMONY	0.00005	30								
ARSENIC	0.0003	20								
CHROMIUM	0.0006	40	4E-05	6E-02	2E-05	3E-02	6E-06	1E-02	5E-06	8E-03
MANGANESE	0.0012	204								
NICKEL	0.0008	134	1E-05	1E-02	6E-06	7E-03	2E-06	3E-03	2E-06	2E-03
THALLIUM	0.00007	7								
VANADIUM	#N/A	77								
1,1,2,2-TETRACHLOROETHANE	0.06	5	2E-05	3E-04	1E-05	2E-04	4E-06	6E-05	3E-06	4E-05
1,1,2-TRICHLOROETHANE	0.004	5	2E-05	5E-03	9E-06	2E-03	3E-06	8E-03	2E-06	6E-04
1,1-DICHLOROETHENE	0.009	5	4E-05	4E-03	2E-05	2E-03	6E-06	7E-04	5E-06	5E-04
1,2-DICHLOROETHANE	0.03	5	1E-05	4E-04	6E-06	2E-04	2E-06	2E-05	2E-06	3E-05
1,3-DICHLOROBENZENE	0.03	5	2E-04	6E-03	1E-04	3E-03	3E-05	1E-03	3E-05	9E-04
1,4-DICHLOROBENZENE	0.03	5	1E-04	5E-03	7E-05	2E-03	2E-05	8E-04	2E-05	6E-04
2,4-DINITROPHENOL	0.002	12.5	1E-05	5E-03	5E-06	2E-03	2E-06	9E-04	1E-06	7E-04
2,6-DINITROTOLUENE	0.001	5	6E-06	6E-03	3E-06	3E-03	1E-06	1E-03	7E-07	7E-04
2-CHLOROPHENOL	0.005	5								
4,6-DINITRO-2 METHYLPHENOL	0.0001	12.5								
ACETOPHENONE	#N/A	5								
ALDRIN	0.00003	0.025	2E-03	6E-04	9E-09	3E-04	3E-09	1E-04	2E-09	8E-05
AROCLOR-1254	0.00002	0.5								
ATRAZINE	0.035	5								
BENZENE	0.003	5	5E-05	2E-02	2E-05	8E-03	8E-06	3E-03	6E-06	2E-03
BIS(2-CHLOROISOPROPYL)ETHER	#N/A	5								
BIS(2-ETHYLHEXYL)PHTHALATE	0.02	5	7E-05	4E-03	4E-05	2E-03	1E-05	7E-04	1E-05	3E-04
BROMODICHLOROMETHANE	0.02	5	1E-05	6E-04	6E-06	3E-04	2E-06	1E-04	2E-06	9E-05
BROMOMETHANE	0.0014	5	8E-06	6E-03	4E-06	3E-03	1E-06	1E-03	1E-06	7E-04
CARBON TETRACHLORIDE	0.0007	5	5E-05	7E-02	2E-05	3E-02	9E-06	1E-02	7E-06	9E-03
CHLOROETHANE	0.4	5	2E-05	4E-05	9E-06	2E-05	3E-06	8E-06	2E-06	6E-06
CHLOROFORM	0.01	5	2E-05	2E-03	1E-05	1E-03	4E-06	4E-04	3E-06	3E-04
CIS-1,3-DICHLOROPROPENE	0.0003	5								
DIBENZOFURAN	0.004	5								
DIBROMOCHLOROMETHANE	0.02	5	9E-06	4E-04	4E-06	2E-04	2E-06	8E-05	1E-06	6E-05
DIELDRIN	0.00005	0.05	4E-07	7E-03	2E-07	4E-03	6E-08	1E-03	8E-08	9E-04
HEPTACHLOR	0.0005	0.025	1E-07	2E-04	6E-08	1E-04	2E-08	4E-05	2E-08	3E-05
HEPTACHLOR EPOXIDE	0.00013	0.025								
HEXACHLOROBENZENE	#N/A	5								
HEXACHLOROBUTADIENE	0.0002	5	3E-04	1E+00	1E-04	7E-01	5E-05	2E-01	4E-05	2E-01
HEXACHLOROETHANE	0.001	5	9E-05	9E-02	5E-05	5E-02	2E-05	2E-02	1E-05	1E-02
METHYLENE CHLORIDE	0.06	5	1E-05	2E-04	5E-06	8E-05	2E-06	3E-05	1E-06	2E-05
NAPHTHALENE	0.02	5	2E-04	8E-03	8E-05	4E-03	3E-05	1E-03	2E-05	1E-03
NITROBENZENE	0.0005	5								
PENTACHLOROPHENOL	0.03	12.5	4E-03	1E-01	2E-03	6E-02	6E-04	2E-02	5E-04	2E-02
TETRACHLOROETHENE	0.01	5	1E-04	1E-02	5E-05	5E-03	2E-05	2E-03	1E-05	1E-03
TRANS-1,3-DICHLOROPROPENE	0.0003	5	1E-05	4E-02	6E-06	2E-02	2E-06	7E-03	2E-06	5E-03
TRICHLOROETHENE	0.006	5	4E-05	6E-03	2E-05	3E-03	6E-06	1E-03	5E-06	8E-04
			SUM ➤	0.07	SUM ➤	0.04	SUM ➤	0.01	SUM ➤	0.01

[illegible] Site, [illegible]ore, M[illegible]d

[illegible]le 16. Quantitative Risk Assessment - Carcinogenic

[illegible]mercial Use - Dermal Exposure to Groundwater

Chemical	CSDo	Water [ ] Max (ug/l)	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
ARSENIC	1.5	20								
1,1,2,2-TETRACHLOROETHANE	0.2	5	7E-06	1E-06	1E-07	3E-08	3E-07	6E-08	5E-07	9E-08
1,1,2-TRICHLOROETHANE	0.057	5	7E-06	4E-07	1E-07	8E-09	3E-07	2E-08	4E-07	2E-08
1,1-DICHLOROETHENE	0.6	5	1E-05	8E-06	3E-07	2E-07	5E-07	3E-07	8E-07	5E-07
1,2-DIBROMO-3-CHLOROPROPANE	#N/A	5								
1,2-DIBROMOETHANE	85	5								
1,2-DICHLOROETHANE	0.091	5	4E-06	4E-07	3E-08	8E-09	2E-07	2E-08	3E-07	2E-08
1,2-DICHLOROPROPANE	0.068	5	3E-06	5E-07	2E-07	1E-08	8E-07	2E-08	5E-07	5E-08
1,4-DICHLOROBENZENE	0.024	5	5E-05	1E-06	1E-06	2E-08	2E-06	5E-08	3E-06	3E-08
3,3'-DICHLOROBENZIDINE	0.45	5	2E-05	6E-06	3E-07	1E-07	6E-07	3E-07	9E-07	4E-07
ALDRIN	17	0.025	6E-09	1E-07	1E-10	2E-09	3E-10	5E-09	4E-10	7E-09
ALPHA-BHC	#N/A	0.025								
AROCLOR-1221	2	0.5								
AROCLOR-1232	2	0.5								
AROCLOR-1242	2	0.5								
AROCLOR-1248	2	0.5								
AROCLOR-1254	2	0.5								
AROCLOR-1260	2	0.5								
ATRAZINE	0.22	5								
BENZENE	0.029	5	2E-05	5E-07	3E-07	1E-08	7E-07	2E-08	1E-06	3E-08
BENZO(A)ANTHRACENE	0.73	5	6E-04	5E-04	1E-05	9E-06	3E-05	2E-05	4E-05	3E-05
BENZO(A)PYRENE	7.3	5	1E-03	7E-03	2E-05	1E-04	4E-05	3E-04	6E-05	4E-04
BENZO(B)FLUORANTHENE	0.73	5	1E-03	7E-04	2E-05	1E-05	4E-05	3E-05	6E-05	4E-05
BENZO(K)FLUORANTHENE	0.073	5								
BIS(2-CHLOROETHYL)ETHER	1.1	5								
BIS(2-CHLOROISOPROPYL)ETHER	#N/A	5								
BIS(2-ETHYLHEXYL)PHTHALATE	0.014	5	3E-05	4E-07	5E-07	7E-09	1E-06	2E-08	2E-06	2E-08
BROMODICHLOROMETHANE	0.062	5	5E-06	3E-07	9E-08	6E-09	2E-07	1E-08	3E-07	2E-08
CARBAZOLE	0.02	10								
CARBON TETRACHLORIDE	0.13	5	2E-05	2E-06	3E-07	5E-08	7E-07	1E-07	1E-06	1E-07
CHLOROETHANE	0.0029	5	6E-06	2E-08	1E-07	4E-10	3E-07	8E-10	4E-07	1E-09
CHLOROFORM	0.0061	5	7E-06	4E-08	1E-07	9E-10	3E-07	2E-09	5E-07	3E-09
CHLOROMETHANE	0.013	5	3E-06	4E-08	7E-08	9E-10	1E-07	2E-09	2E-07	3E-09
CIS-1,3-DICHLOROPROPENE	0.18	5								
DIBENZO(A,H)ANTHRACENE	7.3	5	2E-03	2E-02	4E-05	3E-04	9E-05	7E-04	1E-04	1E-03
DIBROMOCHLOROMETHANE	0.084	5	3E-06	3E-07	6E-08	5E-09	1E-07	1E-08	2E-07	2E-08
DIELDRIN	16	0.05	1E-07	2E-06	3E-09	4E-08	5E-09	9E-08	8E-09	1E-07
HEPTACHLOR	4.5	0.025	4E-08	2E-07	9E-10	4E-09	2E-09	8E-09	3E-09	1E-08
HEPTACHLOR EPOXIDE	9.1	0.025								
HEXACHLOROBENZENE	#N/A	5								
HEXACHLOROBUTADIENE	0.076	5	1E-04	7E-06	2E-06	1E-07	4E-06	3E-07	6E-06	5E-07
HEXACHLOROETHANE	0.014	5	3E-05	5E-07	7E-07	9E-09	1E-06	2E-08	2E-06	3E-08
INDENO(1,2,3-CD)PYRENE	0.73	5	2E-03	1E-03	3E-05	2E-05	6E-05	5E-05	1E-04	7E-05
METHYLENE CHLORIDE	0.0075	5	4E-06	3E-08	7E-08	5E-10	2E-07	1E-09	2E-07	2E-09
N-NITROSODIPROPYLAMINE	7	5								
PENTACHLOROPHENOL	0.12	12.5	1E-03	2E-04	3E-05	3E-06	6E-05	7E-06	8E-05	1E-05
TETRACHLOROETHENE	0.052	5	4E-05	2E-06	8E-07	4E-08	2E-06	8E-08	2E-06	1E-07
TOXAPHENE	1.1	2.5	6E-06	7E-06	1E-07	1E-07	3E-07	3E-07	4E-07	4E-07
TRANS-1,3-DICHLOROPROPENE	0.18	5	4E-06	8E-07	9E-08	2E-08	2E-07	3E-08	3E-07	5E-08
TRICHLOROETHENE	0.011	5	1E-05	1E-07	3E-07	3E-09	5E-07	6E-09	8E-07	9E-09
VINYL CHLORIDE	1.9	5	6E-06	1E-05	1E-07	2E-07	2E-07	5E-07	4E-07	7E-07
#N/A= not applicable or not calculable.			SUM >	#N/A	SUM >	#N/A	SUM >	#N/A	SUM >	#N/A

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Table 17. Comparison of Groundwater Concentrations to MCLs for the Pemco Corporation Site

Chemical	Maximum Concentration (ug/l)	MCL (ug/l)
Arsenic[a]	20	50
Chromium[a]	40	100
Copper	30	1300*
Lead	11	50[b]
Nickel	134	100
Selenium	8	50

* = Action Level.
[a]Arsenic as total arsenic and chromium as total chromium.
[b]Maryland Toxic Substances Criteria for Ambient Surface Waters (Drinking Water). USEPA MCL action level is 15 ug/L.
Shading indicates the MCL has been exceeded.

Table 18. Comparison of Groundwater Concentrations to Ambient Water Quality Criteria at the Pemco Corporation Site

Chemical	Maximum Concentration (ug/l)	Ambient Water Quality Standard (ug/l) For Use I Designation	
		Chronic Freshwater Aquatic Life[a]	Human Health[b]
Aluminum	9190	87	-
Arsenic	20	190[c]	0.14
Chromium (as Chromium VI)	40	11[c]	3400
Copper	30	12[c]	-
Lead	11	3.2[c]	-
Nickel	134	160[c]	3800
Selenium	8	5.0[c]	6800
Zinc	81	110[c]	-

[a]USEPA recommended ambient water quality criterion for the protection of aquatic life.
[b]USEPA recommended ambient water quality criterion for the protection of human health (fish consumption only).
[c]Maryland chronic ambient water quality standard for the protection of aquatic life.
Shading indicates a standard or criterion has been exceeded.

PEMCO Site, Baltimore, Maryland

ble 19. Quantitative Risk Assessment - Noncarcinogenic

Com... al Use - Incidental Ingestion of Surface Water/Recreational Swimmer

Chemical	RfDo	Surface water Max Conc. (ug/L)	ADD	HQ	ADD	HQ	ADD	HQ	ADD	HQ
			Adult Worker		Construction Worker		Child Visitor (< 6 years)		Youth Visitor (6 - 17 years)	
ANTIMONY	0.0004	30	--	--	--	--	3E-06	8E-03	1E-06	3E-03
ARSENIC	0.0003	0.5	--	--	--	--	5E-08	2E-04	2E-08	7E-05
CHROMIUM	**0.003**	**147**	**--**	**--**	**--**	**--**	**2E-05**	**5E-03**	**6E-06**	**2E-03**
MANGANESE	**0.02**	**86**	**--**	**--**	**--**	**--**	**9E-06**	**5E-04**	**4E-06**	**2E-04**
THALLIUM	0.00007	1	--	--	--	--	1E-07	2E-03	4E-08	6E-04
1,1,2,2-TETRACHLOROETHANE	0.06	5	--	--	--	--	5E-07	9E-06	2E-07	3E-06
1,1,2-TRICHLOROETHANE	0.004	5	--	--	--	--	5E-07	1E-04	2E-07	5E-05
1,1-DICHLOROETHENE	0.009	5	--	--	--	--	5E-07	6E-05	2E-07	2E-05
1,2-DICHLOROETHANE	0.03	5	--	--	--	--	5E-07	2E-05	2E-07	7E-06
1,3-DICHLOROBENZENE	0.0009	5	--	--	--	--	5E-07	6E-04	2E-07	2E-04
1,4-DICHLOROBENZENE	0.03	5	--	--	--	--	5E-07	2E-05	2E-07	7E-06
2,4-DINITROPHENOL	0.002	12.5	--	--	--	--	1E-06	7E-04	5E-07	8E-04
2,6-DINITROTOLUENE	0.001	5	--	--	--	--	5E-07	5E-04	2E-07	2E-04
2-CHLOROPHENOL	0.005	5	--	--	--	--	5E-07	1E-04	2E-07	4E-05
4,6-DINITRO-2-METHYLPHENOL	0.0001	12.5	--	--	--	--	1E-06	1E-02	5E-07	5E-03
ACETOPHENONE	0.1	5	--	--	--	--	5E-07	5E-06	2E-07	2E-06
ALDRIN	0.00003	0.05	--	--	--	--	5E-09	2E-04	2E-09	7E-05
AROCLOR-1016	0.0007	1	--	--	--	--	1E-07	2E-03	4E-08	6E-04
AROCLOR-1254	0.00002	1	--	--	--	--	1E-07	5E-03	4E-08	2E-03
ATRAZINE	0.035	5	--	--	--	--	5E-07	2E-05	2E-07	6E-06
BENZENE	0.003	5	--	--	--	--	5E-07	2E-04	2E-07	7E-05
BIS(2-CHLOROISOPROPYL)ETHER	0.04	5	--	--	--	--	5E-07	1E-05	2E-07	5E-06
BIS(2-ETHYLHEXYL)PHTHALATE	0.02	5	--	--	--	--	5E-07	3E-05	2E-07	1E-05
BROMODICHLOROMETHANE	0.02	5	--	--	--	--	5E-07	3E-05	2E-07	1E-05
BROMOMETHANE	0.0014	5	--	--	--	--	5E-07	4E-04	2E-07	1E-04
CARBON TETRACHLORIDE	0.0007	5	--	--	--	--	5E-07	8E-04	2E-07	3E-04
CHLOROETHANE	0.4	5	--	--	--	--	5E-07	1E-06	2E-07	5E-07
CHLOROFORM	0.01	5	--	--	--	--	5E-07	5E-05	2E-07	2E-05
CIS-1,3-DICHLOROPROPENE	0.0003	5	--	--	--	--	5E-07	2E-03	2E-07	7E-04
DIBENZOFURAN	0.004	5	--	--	--	--	5E-07	1E-04	2E-07	5E-05
DIBROMOCHLOROMETHANE	0.02	5	--	--	--	--	5E-07	3E-05	2E-07	1E-05
DIELDRIN	0.00005	0.1	--	--	--	--	1E-08	2E-04	4E-09	8E-05
HEPTACHLOR	0.0005	0.05	--	--	--	--	5E-09	1E-05	2E-09	4E-06
HEPTACHLOR EPOXIDE	0.000013	0.05	--	--	--	--	5E-09	4E-04	2E-09	2E-04
HEXACHLOROBENZENE	0.0008	5	--	--	--	--	5E-07	7E-04	2E-07	3E-04
HEXACHLOROBUTADIENE	0.0002	10	--	--	--	--	1E-06	5E-03	4E-07	2E-03
HEXACHLOROETHANE	0.001	5	--	--	--	--	5E-07	5E-04	2E-07	2E-04
METHYLENE CHLORIDE	0.06	5	--	--	--	--	5E-07	9E-06	2E-07	3E-06
NAPHTHALENE	0.02	5	--	--	--	--	5E-07	3E-05	2E-07	1E-05
NITROBENZENE	0.0005	5	--	--	--	--	5E-07	1E-03	2E-07	4E-04
PENTACHLOROPHENOL	0.03	12.5	--	--	--	--	1E-06	5E-05	5E-07	2E-05
TETRACHLOROETHENE	0.01	5	--	--	--	--	5E-07	5E-05	2E-07	2E-05
TRANS-1,3-DICHLOROPROPENE	0.0003	5	--	--	--	--	5E-07	2E-03	2E-07	7E-04
TRICHLOROETHENE	0.006	5	--	--	--	--	5E-07	9E-05	2E-07	3E-05
			SUM >	**--**	**SUM >**	**--**	**SUM >**	**0.01**	**SUM >**	**0.002**

PEMCO Site, Baltimore, Maryland
Table 20. Quantitative Risk Assessment - Carcinogenic
Commercial Use - Incidental Ingestion of Surface Water/Recreational Swimmer

Chemical	CSFo	Surface water [ ] Max (ug/l)	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
ARSENIC	1.5	0.5	--	--	--	--	5E-09	7E-09	4E-09	5E-09
1,1,2,2-TETRACHLOROETHANE	0.2	5	--	--	--	--	5E-08	4E-09	4E-08	7E-09
1,1,2-TRICHLOROETHANE	0.057	5	--	--	--	--	5E-08	3E-09	4E-08	2E-09
1,1-DICHLOROETHENE	0.6	5	--	--	--	--	5E-08	3E-08	4E-08	2E-08
1,2-DIBROMO-3-CHLOROPROPANE	1.4	5	--	--	--	--	5E-08	7E-08	4E-08	5E-08
1,2-DIBROMOETHANE	85	5	--	--	--	--	5E-08	4E-06	4E-08	3E-06
1,2-DICHLOROETHANE	0.091	5	--	--	--	--	5E-08	4E-09	4E-08	3E-09
1,2-DICHLOROPROPANE	0.06	5	--	--	--	--	5E-08	3E-09	4E-08	2E-09
1,4-DICHLOROBENZENE	0.024	5	--	--	--	--	5E-08	1E-09	4E-08	8E-10
3,3'-DICHLOROBENZIDINE	0.45	5	--	--	--	--	5E-08	2E-08	4E-08	2E-08
ALDRIN	17	0.05	--	--	--	--	5E-10	8E-09	4E-10	6E-09
ALPHA-BHC	6.3	0.05	--	--	--	--	5E-10	3E-09	4E-10	2E-09
AROCLOR-1016	0.07	1	--	--	--	--	9E-09	7E-10	7E-09	5E-10
AROCLOR-1221	2	1	--	--	--	--	9E-09	2E-08	7E-09	1E-08
AROCLOR-1232	2	1	--	--	--	--	9E-09	2E-08	7E-09	1E-08
AROCLOR-1242	2	1	--	--	--	--	9E-09	2E-08	7E-09	1E-08
AROCLOR-1248	2	1	--	--	--	--	9E-09	2E-08	7E-09	1E-08
AROCLOR-1254	2	1	--	--	--	--	9E-09	2E-08	7E-09	1E-08
AROCLOR-1260	2	1	--	--	--	--	9E-09	2E-08	7E-09	1E-08
ATRAZINE	0.22	5	--	--	--	--	5E-08	4E-08	4E-08	8E-09
BENZENE	0.055	5	--	--	--	--	5E-08	3E-09	4E-08	2E-09
BENZO(A)ANTHRACENE	0.73	5		--			5E-08	5E-08	4E-08	7E-08
BENZO(A)PYRENE	7.3	5	--	--			5E-08	5E-07	4E-08	5E-07
BENZO(B)FLUORANTHENE	7.3	5	--	--	--	--	5E-08	5E-08	4E-08	5E-08
BENZO(K)FLUORANTHENE	0.73	5	--	--	--	--	5E-08	5E-07	4E-08	5E-07
BETA-BHC	1.8	0.05	--	--	--	--	5E-10	8E-10	4E-10	6E-10
BIS(2-CHLOROETHYL)ETHER		5	--	--		--	5E-08	5E-08	4E-08	4E-08
BIS(2-CHLOROISOPROPYL)ETHER	0.07	5	--	--			5E-08	3E-09	4E-08	2E-09
BIS(2-ETHYLHEXYL)PHTHALATE	0.014	5		--	--	--	5E-08	7E-09	4E-08	5E-09
BROMODICHLOROMETHANE	0.62	5		--			5E-08	3E-09	4E-08	2E-09
CARBAZOLE	**0.02**	**10**	**--**	**--**	**--**	**--**	**9E-08**	**2E-09**	**7E-08**	**1E-09**
CARBON TETRACHLORIDE	0.13	5	--	--	--	--	5E-08	4E-09	4E-08	3E-09
CHLOROETHANE	0.006	5	--	--	--	--	5E-08	4E-10	4E-08	7E-10
CHLOROFORM	0.1	5		--	--	--	5E-08	4E-10	4E-08	2E-10
CHLOROMETHANE	0.13	5	--	--	--	--	5E-08	4E-10	4E-08	3E-10
2-CHLORONAPHTHALENE	0.[illegible]	5	--	--	--	--	5E-08	5E-09	4E-08	6E-09
DIBENZO(A,H)ANTHRACENE	7.3	5	--	--	--	--	5E-08	5E-07	4E-08	5E-07
DIBROMOCHLOROMETHANE	0.084	5	--	--	--	--	5E-08	4E-09	4E-08	2E-09
DIELDRIN	16	0.1	--	--	--	--	9E-10	2E-08	7E-10	1E-08
HEPTACHLOR	4.5	0.05	--	--	--	--	5E-10	2E-09	4E-10	2E-09
HEPTACHLOR EPOXIDE	9.1	0.05	--	--	--	--	5E-10	4E-09	4E-10	3E-09
HEXACHLOROBENZENE		5	--	--	--	--	5E-08	5E-08	4E-08	5E-08
HEXACHLOROBUTADIENE	0.07	[illegible]	--	--	--	--	5E-08	7E-09	4E-08	5E-09
HEXACHLOROETHANE	0.014	5	--	--	--	--	5E-08	7E-10	4E-08	5E-10
INDENO(1,2,3-CD)PYRENE	7.3	5	--	--	--	--	5E-08	5E-08	4E-08	5E-08
METHYLENE CHLORIDE	0.0075	5	--	--	--	--	5E-08	4E-10	4E-08	3E-10
N-NITROSODIPHENYLAMINE	7	5	--	--	--	--	5E-08	5E-07	4E-08	5E-07
PENTACHLOROPHENOL	0.12	5	--	--	--	--	5E-08	4E-08	4E-08	3E-08
TETRACHLOROETHENE	0.9	5	--	--	--	--	5E-08	2E-09	4E-08	2E-09
TOXAPHENE	1.1	5	--	--	--	--	5E-08	5E-08	4E-08	4E-08
TRANS-1,3-DICHLOROPROPENE	0.1	5	--	--	--	--	5E-08	5E-09	4E-08	6E-09
TRICHLOROETHENE	0.017	5	--	--	--	--	5E-08	5E-10	4E-08	4E-10
VINYL CHLORIDE	2.3	5	--	--	--	--	5E-08	4E-08	4E-08	7E-08
			SUM >	**--**	**SUM >**	**--**	**SUM >**	**2E-09**	**SUM >**	**1E-09**

T· ·1. Quantitative Risk Assessment - Noncarcinogenic
ercial Use - Dermal Exposure to Surface Water

Chemical	RfDd (Dermal)	Water [ ] Max (ug/l)	ADD	HQ	ADD	HQ	ADD	HQ	ADD	HQ
			Adult Worker		Construction Worker		Child Visitor (< 6 years)		Youth Visitor (6 - 17 years)	
ANTIMONY	0.00008	30								
ARSENIC	0.0003	0.5								
CHROMIUM	0.0006	147	1E-04	2E-01	7E-05	1E-01	2E-05	4E-02	2E-05	3E-02
MANGANESE	0.0012	86								
THALLIUM	0.00007	1								
1,1,2,2-TETRACHLOROETHANE	0.06	5	2E-05	3E-04	1E-05	2E-04	4E-06	6E-05	3E-06	4E-05
1,1,2-TRICHLOROETHANE	0.004	5	2E-05	5E-03	9E-06	2E-03	3E-06	8E-04	2E-06	6E-04
1,1-DICHLOROETHENE	0.009	5	4E-05	4E-03	2E-05	2E-03	6E-06	7E-04	5E-06	5E-04
1,2-DICHLOROETHANE	0.03	5	1E-05	4E-04	6E-06	2E-04	2E-06	7E-05	2E-06	5E-05
1,3-DICHLOROBENZENE	0.03	5	2E-04	6E-03	1E-04	3E-03	3E-05	1E-03	3E-05	9E-04
1,4-DICHLOROBENZENE	0.03	5	1E-04	5E-03	7E-05	2E-03	2E-05	8E-04	2E-05	6E-04
2,4-DINITROPHENOL	0.002	12.5	1E-05	5E-03	8E-06	2E-03	2E-06	9E-04	1E-06	7E-04
2,6-DINITROTOLUENE	0.001	5	6E-06	6E-03	3E-06	3E-03	1E-06	1E-03	7E-07	7E-04
2-CHLOROPHENOL	0.005	5								
4,6-DINITRO-2-METHYLPHENOL	0.0001	12.5								
ACETOPHENONE	#N/A	5								
ALDRIN	0.00003	0.05	4E-08	1E-03	2E-08	6E-04	6E-09	2E-04	5E-09	2E-04
AROCLOR-1016	0.00007	1								
AROCLOR-1254	0.00002	1								
ATRAZINE	0.035	5								
BENZENE	0.003	5	5E-05	2E-02	2E-05	8E-03	8E-06	3E-03	6E-06	2E-03
BIS(2-CHLOROISOPROPYL)ETHER	#N/A	5								
BIS(2-ETHYLHEXYL)PHTHALATE	0.02	5	2E-05	4E-03	4E-05	2E-03	1E-05	7E-04	1E-05	5E-04
BROMODICHLOROMETHANE	0.02	5	1E-05	6E-04	6E-06	3E-04	2E-06	1E-04	2E-06	9E-05
BROMOMETHANE	0.0014	5	8E-06	6E-03	4E-06	3E-03	1E-06	1E-03	1E-06	7E-04
CARBON TETRACHLORIDE	0.0007	5	5E-05	7E-02	2E-05	3E-02	9E-06	1E-02	7E-06	9E-03
CHLOROETHANE	0.4	5	2E-05	4E-05	9E-06	2E-05	3E-06	8E-06	2E-06	6E-06
CHLOROFORM	0.01	5	2E-05	2E-03	1E-05	1E-03	4E-06	4E-04	3E-06	3E-04
CIS-1,3-DICHLOROPROPENE	0.0003	5								
DIBENZOFURAN	0.004	5								
DIBROMOCHLOROMETHANE	0.02	5	9E-06	4E-04	4E-06	2E-04	2E-06	8E-05	1E-06	6E-05
DIELDRIN	0.00005	0.1	7E-07	1E-02	4E-07	7E-03	1E-07	3E-03	9E-08	2E-03
HEPTACHLOR	0.0005	0.05	2E-07	5E-04	1E-07	2E-04	4E-08	9E-05	3E-08	7E-05
HEPTACHLOR EPOXIDE	0.000013	0.05								
HEXACHLOROBENZENE	#N/A	5								
HEXACHLOROBUTADIENE	0.0002	10	5E-04	3E+00	3E-04	1E+00	9E-05	5E-01	7E-05	4E-01
HEXACHLOROETHANE	0.001	5	9E-05	9E-02	5E-05	5E-02	2E-05	2E-02	1E-05	1E-02
METHYLENE CHLORIDE	0.06	5	1E-05	2E-04	5E-06	8E-05	2E-06	3E-05	1E-06	2E-05
NAPHTHALENE	0.02	5	2E-04	8E-03	8E-05	4E-03	3E-05	1E-03	2E-05	1E-03
NITROBENZENE	0.0005	5								
PENTACHLOROPHENOL	0.03	12.5	4E-03	1E-01	2E-03	6E-02	6E-04	2E-02	5E-04	2E-02
TETRACHLOROETHENE	0.01	5	1E-04	1E-02	5E-05	5E-03	2E-05	2E-03	1E-05	1E-03
TRANS-1,3-DICHLOROPROPENE	0.0003	5	1E-05	4E-02	6E-06	2E-02	2E-06	7E-03	2E-06	5E-03
TRICHLOROETHENE	0.006	5	4E-05	6E-03	2E-05	3E-03	6E-06	1E-03	5E-06	8E-04
			SUM ➤	0.2	SUM ➤	0.1	SUM ➤	0.04	SUM ➤	0.03

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PEMCO Site, Baltimore, Maryland
Table 22. Quantitative Risk Assessment - Carcinogenic
Commercial Use - Dermal Exposure to Surface Water

Chemical	CSFo	Water [ ] Max (ug/l)	LADD Adult Worker	CR Adult Worker	LADD Construction Worker	CR Construction Worker	LADD Child Visitor (< 6 years)	CR Child Visitor (< 6 years)	LADD Youth Visitor (6 - 17 years)	CR Youth Visitor (6 - 17 years)
ARSENIC	1.5	0.5								
1,1,2,2-TETRACHLOROETHANE	0.2	5	7E-06	1E-06	1E-07	3E-08	3E-07	6E-08	5E-07	9E-08
1,1,2-TRICHLOROETHANE	0.057	5	7E-06	4E-07	1E-07	8E-09	3E-07	2E-08	4E-07	2E-08
1,1-DICHLOROETHENE	0.6	5	1E-05	8E-06	3E-07	2E-07	8E-07	8E-07	8E-07	8E-07
1,2-DIBROMO-3-CHLOROPROPANE	#N/A	5								
1,2-DIBROMOETHANE	85	5								
1,2-DICHLOROETHANE	0.091	5	4E-06	4E-07	8E-08	8E-09	2E-07	2E-08	3E-07	2E-08
1,2-DICHLOROPROPANE	0.068	5	8E-06	8E-07	2E-07	1E-08	8E-07	2E-08	5E-07	8E-08
1,4-DICHLOROBENZENE	0.024	5	5E-05	1E-06	1E-06	2E-08	2E-06	8E-08	8E-06	8E-08
3,3'-DICHLOROBENZIDINE	0.45	5	1E-05	6E-06	3E-07	1E-07	6E-07	3E-07	9E-07	4E-07
ALDRIN	17	0.05	1E-08	2E-07	3E-10	4E-09	5E-10	9E-09	8E-10	1E-08
ALPHA-BHC	#N/A	0.05								
AROCLOR-1016	0.07	1								
AROCLOR-1221	2	1								
AROCLOR-1232	2	1								
AROCLOR-1242	2	1								
AROCLOR-1248	2	1								
AROCLOR-1254	2	1								
AROCLOR-1260	2	1								
ATRAZINE	0.22	5								
BENZENE	0.029	5	2E-05	8E-07	8E-07	1E-08	7E-07	2E-08	1E-06	8E-08
BENZO(A)ANTHRACENE	0.73	5	6E-04	8E-04	1E-05	9E-06	8E-05	2E-05	4E-05	8E-05
BENZO(A)PYRENE	7.3	5	1E-03	7E-03	2E-05	1E-04	4E-05	3E-04	6E-05	1E-04
BENZO(B)FLUORANTHENE	0.73	5	1E-03	7E-04	2E-05	1E-05	4E-05	8E-05	6E-05	4E-05
BENZO(K)FLUORANTHENE	0.073	5								
BETA-BHC	#N/A	0.05								
BIS(2-CHLOROETHYL)ETHER	1.1	5								
BIS(2-CHLOROISOPROPYL)ETHER	#N/A	5								
BIS(2-ETHYLHEXYL)PHTHALATE	0.014	5	3E-05	4E-07	5E-07	7E-09	1E-06	2E-08	2E-06	2E-08
BROMODICHLOROMETHANE	0.062	5	5E-06	3E-07	9E-08	6E-09	2E-07	1E-08	3E-07	2E-08
CARBAZOLE	0.02	10								
CARBON TETRACHLORIDE	0.13	5	2E-05	2E-06	8E-07	5E-08	7E-07	1E-07	1E-06	1E-07
CHLOROETHANE	0.0029	5	6E-06	2E-08	1E-07	4E-10	3E-07	8E-10	4E-07	1E-09
CHLOROFORM	0.0061	5	7E-06	4E-08	1E-07	9E-10	3E-07	2E-09	5E-07	3E-09
CHLOROMETHANE	0.013	5	3E-06	4E-08	7E-08	9E-10	1E-07	2E-09	2E-07	3E-09
CIS-1,3-DICHLOROPROPENE	0.18	5								
DIBENZO(A,H)ANTHRACENE	7.3	5	2E-03	2E-02	4E-05	3E-04	9E-05	7E-04	1E-04	1E-03
DIBROMOCHLOROMETHANE	0.084	5	8E-06	8E-07	6E-08	5E-09	1E-07	1E-08	2E-07	2E-08
DIELDRIN	16	0.1	3E-07	4E-06	5E-09	8E-08	1E-08	2E-07	2E-08	3E-07
HEPTACHLOR	4.5	0.05	9E-08	4E-07	2E-09	8E-09	4E-09	2E-08	6E-09	3E-08
HEPTACHLOR EPOXIDE	9.1	0.05								
HEXACHLOROBENZENE	#N/A	5								
HEXACHLOROBUTADIENE	0.078	10	2E-04	1E-05	4E-06	8E-07	8E-06	6E-07	1E-05	1E-06
HEXACHLOROETHANE	0.014	5	8E-05	5E-07	7E-07	9E-09	1E-06	2E-08	2E-06	8E-08
INDENO(1,2,3-CD)PYRENE	0.73	5	2E-03	1E-03	8E-05	2E-05	6E-05	5E-05	1E-04	7E-05
METHYLENE CHLORIDE	0.0075	5	4E-06	8E-08	7E-08	5E-10	2E-07	1E-09	2E-07	2E-09
N-NITROSODIPROPYLAMINE	7	5								
PENTACHLOROPHENOL	0.12	12.5	1E-03	2E-04	3E-05	3E-06	6E-05	7E-06	8E-05	1E-05
TETRACHLOROETHENE	0.052	5	4E-05	2E-06	8E-07	4E-08	2E-06	8E-08	2E-06	1E-07
TOXAPHENE	1.1	5	1E-05	1E-05	2E-07	3E-07	5E-07	6E-07	8E-07	8E-07
TRANS-1,3-DICHLOROPROPENE	0.18	5	4E-06	8E-07	9E-08	2E-08	2E-07	3E-08	3E-07	5E-08
TRICHLOROETHENE	0.011	5	1E-05	1E-07	3E-07	3E-09	8E-07	6E-09	8E-07	9E-09
VINYL CHLORIDE	1.9	5	6E-06	1E-05	1E-07	2E-07	2E-07	5E-07	4E-07	7E-07
#N/A= not applicable or not calculable.			SUM >	#N/A	SUM >		SUM >	#N/A	SUM >	#N/A

Table 23. Comparison of Surface Water Concentrations to Ambient Water Quality Criteria at the Pemco Corporation Site

Chemical	Maximum Concentration (ug/l)	Ambient Water Quality Standard (ug/l) For Use I Designation	
		Chronic Freshwater Aquatic Life	Human Health[b]
Aluminum	683	87[a]	-
Chromium (as Chromium VI)	147	11[a,c]	3400
Copper	38	12[a,c]	-
Lead	24	3.2[a,c]	-
Selenium	4	5.0[a,c]	6800
Zinc	70	110[a,c]	-

[a]USEPA recommended ambient water quality criterion for the protection of aquatic life.
[b]USEPA recommended ambient water quality criterion for the protection of human health (fish consumption only).
[c]Maryland chronic ambient water quality standard for the protection of aquatic life.
Shading indicates a standard or criterion has been exceeded.

Table 24. Comparison of Sediment Concentrations to ERMs at the Pemco Corporation Site

Chemical	Maximum Concentration (mg/kg)	ERM Concentration (mg/kg)	TEL Concentration (mg/kg)
Arsenic	14.7	70	5.9
Cadmium	165	9.6	0.596
Chromium	685	370	37.3
Copper	619	270	35.7
Lead	26400	218	35
Mercury	0.10	0.71	0.174
Nickel	412	51.6	18
Silver	5	3.7	--
Zinc	924	410	123.1
Acenaphthene	1.1	0.50	--
Acenaphthylene	2.4[a]	0.64	--
Anthracene	2.3	1.1	--
Flourene	1.1	0.54	--
2-Methyl naphthalene	2.4[a]	0.67	--
Naphthalene	0.63	2.1	--
Phenanthrene	10	1.5	0.0419
Benz(a)anthracene	5.7	1.6	0.0317
Benzo(a)pyrene	5.2	1.6	0.0319
Chrysene	6.7	2.8	0.0571
Dibenzo(a,h)anthracene	1.1	0.26	--
Flouranthene	13	5.1	0.111
Pyrene	10	2.6	0.053
DDE	0.0045	0.027	0.00142
DDT	0.017	0.046	0.00698
DDD	0.0024[a]	--	0.00354
Dieldrin	0.0039	--	0.00285
Endrin	0.0024[a]	--	0.00267
Gamma-BHC (Lindane)	0.00125[a]	--	0.00094
Gamma-chlordane	0.015	--	0.0045
Heptachlor epoxide	0.00125[a]	--	0.0006

[a]Not detected at site. Concentration represents one half the detection limit.
Shading indicates a standard or criterion has been exceeded.

ATTACHMENTS

Attachment A. Identification of Chemicals of Concern: PEMCO, Baltimore, MD; PCA Code: 65421

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Groundwater											
No RBCs Available											
GW-2	4-BROMOPHENYL PHENYL EHTER		Water	5	U	ug/L			?	--	--
GW-2	4-CHLORO-3-METHYLPHENOL		Water	5	U	ug/L			?	--	--
GW-2	4-CHLOROPHENYL PHENYL ETHER		Water	5	U	ug/L			?	--	--
GW-2	BIS(2-CHLOROETHOXY)METHANE		Water	5	U	ug/L			?	--	--
GW-2	CALCIUM		Water	67200		ug/L			?	--	--
GW-2	CYCLOHEXANE		Water	5	U	ug/L			?	--	--
GW-2	LEAD		Water	11		ug/L			?	--	--
GW-2	MAGNESIUM		Water	61600		ug/L			?	--	--
GW-2	POTASSIUM		Water	3370		ug/L			?	--	--
GW-2	SODIUM		Water	21600		ug/L			?	--	--
Inorganics:											
GW-2	ALUMINUM	7429905	Water	9190		ug/L	3.65E+03	* N	Fail	--	--
GW-2	ANTIMONY	7440360	Water	30	<	ug/L	1.46E+00	* N	Fail	--	--
GW-2	ARSENIC	7440382	Water	20		ug/L	4.46E-02	C	Fail	--	--
GW-2	BARIUM	7440393	Water	100	<	ug/L	2.56E+02	* N	Pass	--	--
GW-2	BERYLLIUM	7440417	Water	2.5	<	ug/L	7.30E+00	* N	Pass	--	--
GW-2	CADMIUM	7440439	Water	2.5	<	ug/L	3.65E+00	* N	Pass	--	--
GW-2	CHROMIUM	18540299	Water	40		ug/L	1.09E+01	* N	Fail	--	--
GW-2	COBALT	7440484	Water	25	<	ug/L	2.19E+02	* N	Pass	--	--
GW-2	COPPER	7440508	Water	30		ug/L	1.46E+02	* N	Pass	--	--
GW-2	CYANIDE (TOTAL)	57125	Water	10	<	ug/L	7.30E+01	* N	Pass	--	--
GW-2	IRON	7439896	Water	58700		ug/L	1.10E+03	* N	Fail	--	--
GW-2	MANGANESE	7439965	Water	204		ug/L	7.30E+01	* N	Fail	--	--
GW-2	MERCURY	7439976	Water	0.1	<	ug/L	1.00E-06	MDE	Fail	--	--
GW-2	NICKEL	7440020	Water	134		ug/L	7.30E+01	* N	Fail	--	--
GW-2	SELENIUM	7782492	Water	8		ug/L	1.83E+01	* N	Pass	--	--
GW-2	SILVER	7440224	Water	5	<	ug/L	1.83E+01	* N	Pass	--	--
GW-2	THALLIUM	7440280	Water	1	<	ug/L	2.56E-01	* N	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Groundwater											
Inorganics:											
GW-2	VANADIUM	7440622	Water	77		ug/L	2.56E+01	* N	Fail	--	--
GW-2	ZINC	7440666	Water	81		ug/L	1.10E+03	* N	Pass	--	--
Organics:											
GW-2	1,1,1-TRICHLOROETHANE	71556	Water	5	U	ug/L	3.17E+02	* N	Pass	--	--
GW-2	1,1,2,2-TETRACHLOROETHANE	79345	Water	5	U	ug/L	5.27E-02	C	Fail	--	--
GW-2	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76131	Water	5	U	ug/L	5.94E+03	* N	Pass	--	--
GW-2	1,1,2-TRICHLOROETHANE	79005	Water	5	U	ug/L	1.88E-01	C	Fail	--	--
GW-2	1,1-BIPHENYL	92524	Water	5	U	ug/L	3.04E+01	* N	Pass	--	--
GW-2	1,1-DICHLOROETHANE	75343	Water	5	U	ug/L	7.98E+01	* N	Pass	--	--
GW-2	1,1-DICHLOROETHENE	75354	Water	5	U	ug/L	4.36E-02	C	Fail	--	--
GW-2	1,2,4-TRICHLOROBENZENE	120821	Water	5	U	ug/L	1.94E+01	* N	Pass	--	--
GW-2	1,2-DIBROMO-3-CHLOROPROPANE	96128	Water	5	U	ug/L	4.74E-02	C	Fail	--	--
GW-2	1,2-DIBROMOETHANE	106934	Water	5	U	ug/L	7.52E-04	C	Fail	--	--
GW-2	1,2-DICHLOROBENZENE	95501	Water	5	U	ug/L	5.48E+01	* N	Pass	--	--
GW-2	1,2-DICHLOROETHANE	107062	Water	5	U	ug/L	1.16E-01	C	Fail	--	--
GW-2	1,2-DICHLOROPROPANE	78875	Water	5	U	ug/L	1.55E-01	C	Fail	--	--
GW-2	1,3-DICHLOROBENZENE	541731	Water	5	U	ug/L	5.47E-01	* N	Fail	--	--
GW-2	1,4-DICHLOROBENZENE	106467	Water	5	U	ug/L	4.73E-01	C	Fail	--	--
GW-2	2,4,5-TRICHLOROPHENOL	95954	Water	12.5	U	ug/L	3.65E+02	* N	Pass	--	--
GW-2	2,4,6-TRICHLOROPHENOL	88062	Water	5	U	ug/L	6.09E+00	C	Pass	--	--
GW-2	2,4-DICHLOROPHENOL	120832	Water	5	U	ug/L	1.09E+01	* N	Pass	--	--
GW-2	2,4-DIMETHYLPHENOL	105679	Water	5	U	ug/L	7.30E+01	* N	Pass	--	--
GW-2	2,4-DINITROPHENOL	51285	Water	12.5	U	ug/L	7.30E+00	* N	Fail	--	--
GW-2	2,4-DINITROTOLUENE	121142	Water	5	U	ug/L	7.30E+00	* N	Pass	--	--
GW-2	2,6-DINITROTOLUENE	606202	Water	5	U	ug/L	3.65E+00	* N	Fail	--	--
GW-2	2-BUTANONE	78933	Water	5	U	ug/L	1.91E+02	* N	Pass	--	--
GW-2	2-CHLORONAPHTHALENE	91587	Water	5	U	ug/L	4.87E+01	* N	Pass	--	--
GW-2	2-CHLOROPHENOL	95578	Water	5	U	ug/L	3.04E+00	* N	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

ORIGINAL (Red)

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Groundwater											
Organics:											
GW-2	2-HEXANONE	591786	Water	5	U	ug/L	1.46E+02	* N	Pass	--	--
GW-2	2-METHYLNAPHTHALENE	91576	Water	5	U	ug/L	1.22E+01	* N	Pass	--	--
GW-2	2-METHYLPHENOL	95487	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
GW-2	2-NITROANILINE	88744	Water	12.5	U	ug/L			?	--	--
GW-2	2-NITROPHENOL	100027	Water	5	U	ug/L	2.92E+01	* N	Pass	--	--
GW-2	3,3'-DICHLOROBENZIDINE	91941	Water	5	U	ug/L	1.49E-01	C	Fail	--	--
GW-2	3-NITROANILINE	88744	Water	25	R	ug/L			?	--	--
GW-2	4,4'-DDD	72548	Water	0.05	U	ug/L	2.79E-01	C	Pass	--	--
GW-2	4,4'-DDE	72559	Water	0.05	U	ug/L	1.97E-01	C	Pass	--	--
GW-2	4,4'-DDT	50293	Water	0.05	U	ug/L	1.97E-01	C	Pass	--	--
GW-2	4,6-DINITRO-2-METHYLPHENOL	534521	Water	12.5	U	ug/L	3.65E-01	* N	Fail	--	--
GW-2	4-CHLOROANILINE	106478	Water	5	U	ug/L	1.46E+01	* N	Pass	--	--
GW-2	4-METHYL-2-PENTANONE	108101	Water	5	U	ug/L	1.39E+01	* N	Pass	--	--
GW-2	4-METHYLPHENOL	106445	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
GW-2	4-NITROANILINE	88744	Water	25	UJ	ug/L			?	--	--
GW-2	4-NITROPHENOL	100027	Water	12.5	U	ug/L	2.92E+01	* N	Pass	--	--
GW-2	ACENAPHTHENE	83329	Water	5	U	ug/L	3.65E+01	* N	Pass	--	--
GW-2	ACENAPHTHYLENE	83329	Water	5	U	ug/L	3.65E+01	* N	Pass	--	--
GW-2	ACETONE	67641	Water	5	U	ug/L	6.08E+01	* N	Pass	--	--
GW-2	ACETOPHENONE	98862	Water	5	U	ug/L	4.16E-03	* N	Fail	--	--
GW-2	ALDRIN	309002	Water	0.025	U	ug/L	3.94E-03	C	Fail	--	--
GW-2	ALPHA-BHC	319846	Water	0.025	U	ug/L	1.06E-02	C	Fail	--	--
GW-2	ALPHA-CHLORDANE	57749	Water	0.025	U	ug/L	1.91E-01	C	Pass	--	--
GW-2	ANTHRACENE	120127	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
GW-2	AROCLOR-1016	12674112	Water	0.5	U	ug/L	9.57E-01	C	Pass	--	--
GW-2	AROCLOR-1221	11104282	Water	0.5	U	ug/L	3.35E-02	C	Fail	--	--
GW-2	AROCLOR-1232	11141165	Water	0.5	U	ug/L	3.35E-02	C	Fail	--	--
GW-2	AROCLOR-1242	53469219	Water	0.5	U	ug/L	3.35E-02	C	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Groundwater											
Organics:											
GW-2	AROCLOR-1248	12672296	Water	0.5	U	ug/L	3.35E-02	C	Fail	--	--
GW-2	AROCLOR-1254	11097691	Water	0.5	U	ug/L	3.35E-02	C	Fail	--	--
GW-2	AROCLOR-1260	11096825	Water	0.5	U	ug/L	3.35E-02	C	Fail	--	--
GW-2	ATRAZINE	1912249	Water	5	U	ug/L	3.04E-01	C	Fail	--	--
GW-2	BENZALDEHYDE	100527	Water	10	UJ	ug/L	3.65E+02	* N	Pass	--	--
GW-2	BENZENE	71432	Water	5	U	ug/L	3.19E-01	C	Fail	--	--
GW-2	BENZO[A]ANTHRACENE	56553	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
GW-2	BENZO[A]PYRENE	50328	Water	5	U	ug/L	9.17E-03	C	Fail	--	--
GW-2	BENZO[B]FLUORANTHENE	205992	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
GW-2	BENZO[G,H,I]PERYLENE	129000	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
GW-2	BENZO[K]FLUORANTHENE	207089	Water	5	U	ug/L	9.17E-01	C	Fail	--	--
GW-2	BETA-BHC	319857	Water	0.025	U	ug/L	3.72E-02	C	Pass	--	--
GW-2	BIS(2-CHLOROETHYL)ETHER	111444	Water	5	U	ug/L	9.59E-03	C	Fail	--	--
GW-2	BIS(2-CHLOROISOPROPYL)ETHER	108601	Water	5	U	ug/L	2.60E-01	C	Fail	--	--
GW-2	BIS(2-ETHYLHEXYL)PHTHALATE	117817	Water	5	U	ug/L	4.78E+00	C	Fail	--	--
GW-2	BROMODICHLOROMETHANE	75274	Water	5	U	ug/L	1.70E-01	C	Fail	--	--
GW-2	BROMOFORM	75252	Water	5	U	ug/L	8.48E+00	C	Pass	--	--
GW-2	BROMOMETHANE	74839	Water	5	U	ug/L	8.52E-01	* N	Fail	--	--
GW-2	BUTYLBENZYLPHTHALATE	85687	Water	5	U	ug/L	7.30E+02	* N	Pass	--	--
GW-2	CAPROLACTAM	105602	Water	5	U	ug/L	1.83E+03	* N	Pass	--	--
GW-2	CARBAZOLE	86748	Water	10	UJ	ug/L	3.35E+00	C	Fail	--	--
GW-2	CARBON DISULFIDE	75150	Water	5	U	ug/L	1.04E+02	* N	Pass	--	--
GW-2	CARBON TETRACHLORIDE	56235	Water	5	U	ug/L	1.62E-01	C	Fail	--	--
GW-2	CHLOROBENZENE	108907	Water	5	U	ug/L	1.06E+01	* N	Pass	--	--
GW-2	CHLOROETHANE	75003	Water	5	U	ug/L	3.64E+00	C	Fail	--	--
GW-2	CHLOROFORM	67663	Water	5	U	ug/L	1.52E-01	C	Fail	--	--
GW-2	CHLOROMETHANE	74873	Water	5	U	ug/L	2.11E+00	C	Fail	--	--
GW-2	CHRYSENE	218019	Water	5	U	ug/L	9.17E+00	C	Pass	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

ORIGINAL (Red)

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Groundwater											
Organics:											
GW-2	CIS-1,2-DICHLOROETHENE	156592	Water	5	U	ug/L	6.08E+00	* N	Pass	--	--
GW-2	CIS-1,3-DICHLOROPROPENE	542756	Water	5	U	ug/L	7.65E-02	C	Fail	--	--
GW-2	DELTA-BHC	58899	Water	0.025	U	ug/L	5.15E-02	C	Pass	--	--
GW-2	DIBENZO[A,H]ANTHRACENE	53703	Water	5	U	ug/L	9.17E-03	C	Fail	--	--
GW-2	DIBENZOFURAN	132649	Water	5	U	ug/L	2.43E+00	* N	Fail	--	--
GW-2	DIBROMOCHLOROMETHANE	124481	Water	5	U	ug/L	1.26E-01	C	Fail	--	--
GW-2	DIBUTYLPHTHALATE	84742	Water	1	B	ug/L	3.65E+02	* N	Pass	--	--
GW-2	DICHLORODIFLUOROMETHANE	75718	Water	5	U	ug/L	3.48E+01	* N	Pass	--	--
GW-2	DIELDRIN	60571	Water	0.05	U	ug/L	4.19E-03	C	Fail	--	--
GW-2	DIETHYLPHTHALATE	84662	Water	5	U	ug/L	2.92E+03	* N	Pass	--	--
GW-2	DIMETHYLPHTHALATE	131113	Water	5	U	ug/L	3.65E+04	* N	Pass	--	--
GW-2	DIOCTYLPHTHALATE	117840	Water	5	U	ug/L	7.30E+01	* N	Pass	--	--
GW-2	ENDOSULFAN I	115297	Water	0.025	U	ug/L	2.19E+01	* N	Pass	--	--
GW-2	ENDOSULFAN II	115297	Water	0.05	U	ug/L	2.19E+01	* N	Pass	--	--
GW-2	ENDOSULFAN SULFATE	115297	Water	0.05	U	ug/L	2.19E+01	* N	Pass	--	--
GW-2	ENDRIN	72208	Water	0.05	U	ug/L	1.10E+00	* N	Pass	--	--
GW-2	ENDRIN ALDEHYDE	72208	Water	0.05	U	ug/L	1.10E+00	* N	Pass	--	--
GW-2	ENDRIN KETONE	72208	Water	0.05	U	ug/L	1.10E+00	* N	Pass	--	--
GW-2	ETHYLBENZENE	100414	Water	5	U	ug/L	1.34E+02	* N	Pass	--	--
GW-2	FLUORANTHENE	206440	Water	5	U	ug/L	1.46E+02	* N	Pass	--	--
GW-2	FLUORENE	86737	Water	5	U	ug/L	2.43E+01	* N	Pass	--	--
GW-2	GAMMA-BHC (LINDANE)	58899	Water	0.025	U	ug/L	5.15E-02	C	Pass	--	--
GW-2	GAMMA-CHLORDANE	57749	Water	0.025	U	ug/L	1.91E-01	C	Pass	--	--
GW-2	HEPTACHLOR	76448	Water	0.025	U	ug/L	1.49E-02	C	Fail	--	--
GW-2	HEPTACHLOR EPOXIDE	1024573	Water	0.025	U	ug/L	7.36E-03	C	Fail	--	--
GW-2	HEXACHLOROBENZENE	118741	Water	5	U	ug/L	4.19E-02	C	Fail	--	--
GW-2	HEXACHLOROBUTADIENE	87683	Water	5	U	ug/L	8.59E-01	C	Fail	--	--
GW-2	HEXACHLOROCYCLOPENTADIENE	77474	Water	5	U	ug/L	2.56E+01	* N	Pass	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Groundwater											
Organics:											
GW-2	HEXACHLOROETHANE	67721	Water	5	U	ug/L	4.78E+00	C	Fail	--	--
GW-2	INDENO[1,2,3-CD]PYRENE	193395	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
GW-2	ISOPHORONE	78591	Water	5	U	ug/L	7.05E+01	C	Pass	--	--
GW-2	ISOPROPYLBENZENE	98828	Water	5	U	ug/L	6.58E+01	* N	Pass	--	--
GW-2	METHOXYCHLOR	72435	Water	0.25	U	ug/L	1.83E+01	* N	Pass	--	--
GW-2	METHYL ACETATE	79209	Water	5	U	ug/L	6.08E+02	* N	Pass	--	--
GW-2	METHYL TERT-BUTYL ETHER	1634044	Water	5	U	ug/L	6.26E+02	* N	Pass	--	--
GW-2	METHYLCYCLOHEXANE	108872	Water	5	U	ug/L	6.28E+02	* N	Pass	--	--
GW-2	METHYLENE CHLORIDE	75092	Water	5	U	ug/L	4.10E+00	C	Fail	--	--
GW-2	N-NITROSODIPHENYLAMINE	86306	Water	5	U	ug/L	1.37E+01	C	Pass	--	--
GW-2	N-NITROSODIPROPYLAMINE	621647	Water	5	U	ug/L	9.57E-03	C	Fail	--	--
GW-2	NAPHTHALENE	91203	Water	5	U	ug/L	6.51E-01	* N	Fail	--	--
GW-2	NITROBENZENE	98953	Water	5	U	ug/L	3.53E-01	* N	Fail	--	--
GW-2	PENTACHLOROPHENOL	87865	Water	12.5	U	ug/L	5.58E-01	C	Fail	--	--
GW-2	PHENANTHRENE	120127	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
GW-2	PHENOL	108952	Water	5	U	ug/L	2.19E+03	* N	Pass	--	--
GW-2	PYRENE	129000	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
GW-2	STYRENE	100425	Water	5	U	ug/L	1.62E+02	* N	Pass	--	--
GW-2	TETRACHLOROETHENE	127184	Water	5	U	ug/L	1.07E+00	C	Fail	--	--
GW-2	TOLUENE	108883	Water	5	U	ug/L	7.47E+01	* N	Pass	--	--
GW-2	TOXAPHENE	8001352	Water	2.5	U	ug/L	6.09E-02	C	Fail	--	--
GW-2	TRANS-1,2-DICHLOROETHENE	156605	Water	5	U	ug/L	1.22E+01	* N	Pass	--	--
GW-2	TRANS-1,3-DICHLOROPROPENE	542756	Water	5	U	ug/L	7.65E-02	C	Fail	--	--
GW-2	TRICHLOROETHENE	79016	Water	5	U	ug/L	1.55E+00	C	Fail	--	--
GW-2	TRICHLOROFLUOROMETHANE	75694	Water	5	U	ug/L	1.29E+02	* N	Pass	--	--
GW-2	VINYL CHLORIDE	75014	Water	5	U	ug/L	1.91E-02	C	Fail	--	--
GW-2	XYLENES	1330207	Water	5	U	ug/L	1.22E+03	* N	Pass	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

ORIGINAL (Red)

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
No RBCs Available											
FB-1	4-BROMOPHENYL PHENYL EHTER		Water	5	U	ug/L			?	--	--
FB-1	4-CHLORO-3-METHYLPHENOL		Water	5	U	ug/L			?	--	--
FB-1	4-CHLOROPHENYL PHENYL ETHER		Water	5	U	ug/L			?	--	--
FB-1	BIS(2-CHLOROETHOXY)METHANE		Water	5	U	ug/L			?	--	--
FB-1	CALCIUM		Water	250	<	ug/L			?	--	--
FB-1	CYCLOHEXANE		Water	5	U	ug/L			?	--	--
FB-1	LEAD		Water	0.5	<	ug/L			?	--	--
FB-1	MAGNESIUM		Water	250	<	ug/L			?	--	--
FB-1	POTASSIUM		Water	1000	<	ug/L			?	--	--
FB-1	SODIUM		Water	500	<	ug/L			?	--	--
Inorganics:											
FB-1	ALUMINUM	7429905	Water	100	<	ug/L	3.65E+03	* N	Pass	--	--
FB-1	ANTIMONY	7440360	Water	30	<	ug/L	1.46E+00	* N	Fail	--	--
FB-1	ARSENIC	7440382	Water	0.5	<	ug/L	4.46E-02	C	Fail	--	--
FB-1	BARIUM	7440393	Water	100	<	ug/L	2.56E+02	* N	Pass	--	--
FB-1	BERYLLIUM	7440417	Water	2.5	<	ug/L	7.30E+00	* N	Pass	--	--
FB-1	CADMIUM	7440439	Water	2.5	<	ug/L	3.65E+00	* N	Pass	--	--
FB-1	CHROMIUM	18540299	Water	5	<	ug/L	1.09E+01	* N	Pass	--	--
FB-1	COBALT	7440484	Water	25	<	ug/L	2.19E+02	* N	Pass	--	--
FB-1	COPPER	7440508	Water	12.5	<	ug/L	1.46E+02	* N	Pass	--	--
FB-1	CYANIDE (TOTAL)	57125	Water	10	<	ug/L	7.30E+01	* N	Pass	--	--
FB-1DM	IRON	7439896	Water	144	C	ug/L	1.10E+03	* N	Pass	--	--
FB-1	MANGANESE	7439965	Water	7.5	<	ug/L	7.30E+01	* N	Pass	--	--
FB-1	MERCURY	7439976	Water	0.1	<	ug/L	1.00E-06	MDE	Fail	--	--
FB-1	NICKEL	7440020	Water	20	<	ug/L	7.30E+01	* N	Pass	--	--
FB-1	SELENIUM	7782492	Water	0.5	<	ug/L	1.83E+01	* N	Pass	--	--
FB-1	SILVER	7440224	Water	5	<	ug/L	1.83E+01	* N	Pass	--	--
FB-1	THALLIUM	7440280	Water	1	<	ug/L	2.56E-01	* N	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Inorganics:											
FB-1	VANADIUM	7440622	Water	25	<	ug/L	2.56E+01	* N	Pass	--	--
FB-1	ZINC	7440666	Water	10	<	ug/L	1.10E+03	* N	Pass	--	--
Organics:											
FB-1	1,1,1-TRICHLOROETHANE	71556	Water	5	U	ug/L	3.17E+02	* N	Pass	--	--
FB-1	1,1,2,2-TETRACHLOROETHANE	79345	Water	5	U	ug/L	5.27E-02	C	Fail	--	--
FB-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76131	Water	5	U	ug/L	5.94E+03	* N	Pass	--	--
FB-1	1,1,2-TRICHLOROETHANE	79005	Water	5	U	ug/L	1.88E-01	C	Fail	--	--
FB-1	1,1-BIPHENYL	92524	Water	5	U	ug/L	3.04E+01	* N	Pass	--	--
FB-1	1,1-DICHLOROETHANE	75343	Water	5	U	ug/L	7.98E+01	* N	Pass	--	--
FB-1	1,1-DICHLOROETHENE	75354	Water	5	U	ug/L	4.36E-02	C	Fail	--	--
FB-1	1,2,4-TRICHLOROBENZENE	120821	Water	5	U	ug/L	1.94E+01	* N	Pass	--	--
FB-1	1,2-DIBROMO-3-CHLOROPROPANE	96128	Water	5	U	ug/L	4.74E-02	C	Fail	--	--
FB-1	1,2-DIBROMOETHANE	106934	Water	5	U	ug/L	7.52E-04	C	Fail	--	--
FB-1	1,2-DICHLOROBENZENE	95501	Water	5	U	ug/L	5.48E+01	* N	Pass	--	--
FB-1	1,2-DICHLOROETHANE	107062	Water	5	U	ug/L	1.16E-01	C	Fail	--	--
FB-1	1,2-DICHLOROPROPANE	78875	Water	5	U	ug/L	1.55E-01	C	Fail	--	--
FB-1	1,3-DICHLOROBENZENE	541731	Water	5	U	ug/L	5.47E-01	* N	Fail	--	--
FB-1	1,4-DICHLOROBENZENE	106467	Water	5	U	ug/L	4.73E-01	C	Fail	--	--
FB-1	2,4,5-TRICHLOROPHENOL	95954	Water	12.5	U	ug/L	3.65E+02	* N	Pass	--	--
FB-1	2,4,6-TRICHLOROPHENOL	88062	Water	5	U	ug/L	6.09E+00	C	Pass	--	--
FB-1	2,4-DICHLOROPHENOL	120832	Water	5	U	ug/L	1.09E+01	* N	Pass	--	--
FB-1	2,4-DIMETHYLPHENOL	105679	Water	5	U	ug/L	7.30E+01	* N	Pass	--	--
FB-1	2,4-DINITROPHENOL	51285	Water	12.5	U	ug/L	7.30E+00	* N	Fail	--	--
FB-1	2,4-DINITROTOLUENE	121142	Water	5	U	ug/L	7.30E+00	* N	Pass	--	--
FB-1	2,6-DINITROTOLUENE	606202	Water	5	U	ug/L	3.65E+00	* N	Fail	--	--
FB-1	2-BUTANONE	78933	Water	5	U	ug/L	1.91E+02	* N	Pass	--	--
FB-1	2-CHLORONAPHTHALENE	91587	Water	5	U	ug/L	4.87E+01	* N	Pass	--	--
FB-1	2-CHLOROPHENOL	95578	Water	5	U	ug/L	3.04E+00	* N	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

ORIGINAL (Red)

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Organics:											
FB-1	2-HEXANONE	591786	Water	5	U	ug/L	1.46E+02	* N	Pass	--	--
FB-1	2-METHYLNAPHTHALENE	91576	Water	5	U	ug/L	1.22E+01	* N	Pass	--	--
FB-1	2-METHYLPHENOL	95487	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
FB-1	2-NITROANILINE	88744	Water	12.5	U	ug/L			?	--	--
FB-1	2-NITROPHENOL	100027	Water	5	U	ug/L	2.92E+01	* N	Pass	--	--
FB-1	3,3'-DICHLOROBENZIDINE	91941	Water	5	U	ug/L	1.49E-01	C	Fail	--	--
FB-1	3-NITROANILINE	88744	Water	25	R	ug/L			?	--	--
FB-1	4,6-DINITRO-2-METHYLPHENOL	534521	Water	12.5	U	ug/L	3.65E-01	* N	Fail	--	--
FB-1	4-CHLOROANILINE	106478	Water	5	U	ug/L	1.46E+01	* N	Pass	--	--
FB-1	4-METHYL-2-PENTANONE	108101	Water	5	U	ug/L	1.39E+01	* N	Pass	--	--
FB-1	4-METHYLPHENOL	106445	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
FB-1	4-NITROANILINE	88744	Water	12.5	U	ug/L			?	--	--
FB-1	4-NITROPHENOL	100027	Water	12.5	U	ug/L	2.92E+01	* N	Pass	--	--
FB-1	ACENAPHTHENE	83329	Water	5	U	ug/L	3.65E+01	* N	Pass	--	--
FB-1	ACENAPHTHYLENE	83329	Water	5	U	ug/L	3.65E+01	* N	Pass	--	--
FB-1	ACETONE	67641	Water	5	U	ug/L	6.08E+01	* N	Pass	--	--
FB-1	ACETOPHENONE	98862	Water	5	U	ug/L	4.16E-03	* N	Fail	--	--
FB-1	ANTHRACENE	120127	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
FB-1	ATRAZINE	1912249	Water	5	U	ug/L	3.04E-01	C	Fail	--	--
FB-1	BENZALDEHYDE	100527	Water	5	U	ug/L	3.65E+02	* N	Pass	--	--
FB-1	BENZENE	71432	Water	5	U	ug/L	3.19E-01	C	Fail	--	--
FB-1	BENZO[A]ANTHRACENE	56553	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
FB-1	BENZO[A]PYRENE	50328	Water	5	U	ug/L	9.17E-03	C	Fail	--	--
FB-1	BENZO[B]FLUORANTHENE	205992	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
FB-1	BENZO[G,H,I]PERYLENE	129000	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
FB-1	BENZO[K]FLUORANTHENE	207089	Water	5	U	ug/L	9.17E-01	C	Fail	--	--
FB-1	BIS(2-CHLOROETHYL)ETHER	111444	Water	5	U	ug/L	9.59E-03	C	Fail	--	--
FB-1	BIS(2-CHLOROISOPROPYL)ETHER	108601	Water	5	U	ug/L	2.60E-01	C	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Organics:											
FB-1	BIS(2-ETHYLHEXYL)PHTHALATE	117817	Water	5	U	ug/L	4.78E+00	C	Fail	--	--
FB-1	BROMODICHLOROMETHANE	75274	Water	5	U	ug/L	1.70E-01	C	Fail	--	--
FB-1	BROMOFORM	75252	Water	5	U	ug/L	8.48E+00	C	Pass	--	--
FB-1	BROMOMETHANE	74839	Water	5	U	ug/L	8.52E-01	* N	Fail	--	--
FB-1	BUTYLBENZYLPHTHALATE	85687	Water	5	U	ug/L	7.30E+02	* N	Pass	--	--
FB-1	CAPROLACTAM	105602	Water	5	U	ug/L	1.83E+03	* N	Pass	--	--
FB-1	CARBAZOLE	86748	Water	10	UJ	ug/L	3.35E+00	C	Fail	--	--
FB-1	CARBON DISULFIDE	75150	Water	5	U	ug/L	1.04E+02	* N	Pass	--	--
FB-1	CARBON TETRACHLORIDE	56235	Water	5	U	ug/L	1.62E-01	C	Fail	--	--
FB-1	CHLOROBENZENE	108907	Water	5	U	ug/L	1.06E+01	* N	Pass	--	--
FB-1	CHLOROETHANE	75003	Water	5	U	ug/L	3.64E+00	C	Fail	--	--
FB-1	CHLOROFORM	67663	Water	5	U	ug/L	1.52E-01	C	Fail	--	--
FB-1	CHLOROMETHANE	74873	Water	5	U	ug/L	2.11E+00	C	Fail	--	--
FB-1	CHRYSENE	218019	Water	5	U	ug/L	9.17E+00	C	Pass	--	--
FB-1	CIS-1,2-DICHLOROETHENE	156592	Water	5	U	ug/L	6.08E+00	* N	Pass	--	--
FB-1	CIS-1,3-DICHLOROPROPENE	542756	Water	5	U	ug/L	7.65E-02	C	Fail	--	--
FB-1	DIBENZO[A,H]ANTHRACENE	53703	Water	5	U	ug/L	9.17E-03	C	Fail	--	--
FB-1	DIBENZOFURAN	132649	Water	5	U	ug/L	2.43E+00	* N	Fail	--	--
FB-1	DIBROMOCHLOROMETHANE	124481	Water	5	U	ug/L	1.26E-01	C	Fail	--	--
FB-1	DIBUTYLPHTHALATE	84742	Water	2	B	ug/L	3.65E+02	* N	Pass	--	--
FB-1	DICHLORODIFLUOROMETHANE	75718	Water	5	U	ug/L	3.48E+01	* N	Pass	--	--
FB-1	DIETHYLPHTHALATE	84662	Water	10		ug/L	2.92E+03	* N	Pass	--	--
FB-1	DIMETHYLPHTHALATE	131113	Water	5	U	ug/L	3.65E+04	* N	Pass	--	--
FB-1	DIOCTYLPHTHALATE	117840	Water	5	U	ug/L	7.30E+01	* N	Pass	--	--
FB-1	ETHYLBENZENE	100414	Water	5	U	ug/L	1.34E+02	* N	Pass	--	--
FB-1	FLUORANTHENE	206440	Water	5	U	ug/L	1.46E+02	* N	Pass	--	--
FB-1	FLUORENE	86737	Water	5	U	ug/L	2.43E+01	* N	Pass	--	--
FB-1	HEXACHLOROBENZENE	118741	Water	5	U	ug/L	4.19E-02	C	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

ORIGINAL (Red)

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Organics:											
FB-1	HEXACHLOROBUTADIENE	87683	Water	5	U	ug/L	8.59E-01	C	Fail	--	--
FB-1	HEXACHLOROCYCLOPENTADIENE	77474	Water	5	U	ug/L	2.56E+01	* N	Pass	--	--
FB-1	HEXACHLOROETHANE	67721	Water	5	U	ug/L	4.78E+00	C	Fail	--	--
FB-1	INDENO[1,2,3-CD]PYRENE	193395	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
FB-1	ISOPHORONE	78591	Water	5	U	ug/L	7.05E+01	C	Pass	--	--
FB-1	ISOPROPYLBENZENE	98828	Water	5	U	ug/L	6.58E+01	* N	Pass	--	--
FB-1	METHYL ACETATE	79209	Water	5	U	ug/L	6.08E+02	* N	Pass	--	--
FB-1	METHYL TERT-BUTYL ETHER	1634044	Water	5	U	ug/L	6.26E+02	* N	Pass	--	--
FB-1	METHYLCYCLOHEXANE	108872	Water	5	U	ug/L	6.28E+02	* N	Pass	--	--
FB-1	METHYLENE CHLORIDE	75092	Water	5	U	ug/L	4.10E+00	C	Fail	--	--
FB-1	N-NITROSODIPHENYLAMINE	86306	Water	5	U	ug/L	1.37E+01	C	Pass	--	--
FB-1	N-NITROSODIPROPYLAMINE	621647	Water	5	U	ug/L	9.57E-03	C	Fail	--	--
FB-1	NAPHTHALENE	91203	Water	5	U	ug/L	6.51E-01	* N	Fail	--	--
FB-1	NITROBENZENE	98953	Water	5	U	ug/L	3.53E-01	* N	Fail	--	--
FB-1	PENTACHLOROPHENOL	87865	Water	12.5	U	ug/L	5.58E-01	C	Fail	--	--
FB-1	PHENANTHRENE	120127	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
FB-1	PHENOL	108952	Water	5	U	ug/L	2.19E+03	* N	Pass	--	--
FB-1	PYRENE	129000	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
FB-1	STYRENE	100425	Water	5	U	ug/L	1.62E+02	* N	Pass	--	--
FB-1	TETRACHLOROETHENE	127184	Water	5	U	ug/L	1.07E+00	C	Fail	--	--
FB-1	TOLUENE	108883	Water	5	U	ug/L	7.47E+01	* N	Pass	--	--
FB-1	TRANS-1,2-DICHLOROETHENE	156605	Water	5	U	ug/L	1.22E+01	* N	Pass	--	--
FB-1	TRANS-1,3-DICHLOROPROPENE	542756	Water	5	U	ug/L	7.65E-02	C	Fail	--	--
FB-1	TRICHLOROETHENE	79016	Water	5	U	ug/L	1.55E+00	C	Fail	--	--
FB-1	TRICHLOROFLUOROMETHANE	75694	Water	5	U	ug/L	1.29E+02	* N	Pass	--	--
FB-1	VINYL CHLORIDE	75014	Water	5	U	ug/L	1.91E-02	C	Fail	--	--
FB-1	XYLENES	1330207	Water	5	U	ug/L	1.22E+03	* N	Pass	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
No RBCs Available											
SW-1	4-BROMOPHENYL PHENYL EHTER		Water	5	U	ug/L			?	--	--
SW-1	4-CHLORO-3-METHYLPHENOL		Water	5	U	ug/L			?	--	--
SW-1	4-CHLOROPHENYL PHENYL ETHER		Water	5	U	ug/L			?	--	--
SW-1	BIS(2-CHLOROETHOXY)METHANE		Water	5	U	ug/L			?	--	--
SW-5	CALCIUM		Water	44600		ug/L			?	--	--
SW-1	CYCLOHEXANE		Water	5	U	ug/L			?	--	--
SW-2	LEAD		Water	24		ug/L			?	--	--
SW-3	MAGNESIUM		Water	9760		ug/L			?	--	--
SW-3	POTASSIUM		Water	5800		ug/L			?	--	--
SW-5	SODIUM		Water	87000		ug/L			?	--	--
Inorganics:											
SW-2	ALUMINUM	7429905	Water	683		ug/L	3.65E+03	* N	Pass	--	--
SW-1	ANTIMONY	7440360	Water	30	<	ug/L	1.46E+00	* N	Fail	--	--
SW-1	ARSENIC	7440382	Water	0.5	<	ug/L	4.46E-02	C	Fail	--	--
SW-1	BARIUM	7440393	Water	100	<	ug/L	2.56E+02	* N	Pass	--	--
SW-1	BERYLLIUM	7440417	Water	2.5	<	ug/L	7.30E+00	* N	Pass	--	--
SW-1	CADMIUM	7440439	Water	2.5	<	ug/L	3.65E+00	* N	Pass	--	--
SW-5	CHROMIUM	18540299	Water	147		ug/L	1.09E+01	* N	Fail	--	--
SW-1	COBALT	7440484	Water	25	<	ug/L	2.19E+02	* N	Pass	--	--
SW-2	COPPER	7440508	Water	38		ug/L	1.46E+02	* N	Pass	--	--
SW-1	CYANIDE (TOTAL)	57125	Water	10	<	ug/L	7.30E+01	* N	Pass	--	--
SW-2	IRON	7439896	Water	1930		ug/L	1.10E+03	* N	Fail	--	--
SW-2	MANGANESE	7439965	Water	86		ug/L	7.30E+01	* N	Fail	--	--
SW-1	MERCURY	7439976	Water	0.1	<	ug/L	1.00E-06	MDE	Fail	--	--
SW-1	NICKEL	7440020	Water	20	<	ug/L	7.30E+01	* N	Pass	--	--
SW-3DM	SELENIUM	7782492	Water	4	E	ug/L	1.83E+01	* N	Pass	--	--
SW-1	SILVER	7440224	Water	5	<	ug/L	1.83E+01	* N	Pass	--	--
SW-1	THALLIUM	7440280	Water	1	<	ug/L	2.56E-01	* N	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

ORIGINAL

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Inorganics:											
SW-1	VANADIUM	7440622	Water	25	<	ug/L	2.56E+01	* N	Pass	--	--
SW-2	ZINC	7440666	Water	70		ug/L	1.10E+03	* N	Pass	--	--
Organics:											
SW-1	1,1,1-TRICHLOROETHANE	71556	Water	5	U	ug/L	3.17E+02	* N	Pass	--	--
SW-1	1,1,2,2-TETRACHLOROETHANE	79345	Water	5	U	ug/L	5.27E-02	C	Fail	--	--
SW-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76131	Water	5	U	ug/L	5.94E+03	* N	Pass	--	--
SW-1	1,1,2-TRICHLOROETHANE	79005	Water	5	U	ug/L	1.88E-01	C	Fail	--	--
SW-1	1,1-BIPHENYL	92524	Water	5	U	ug/L	3.04E+01	* N	Pass	--	--
SW-1	1,1-DICHLOROETHANE	75343	Water	5	U	ug/L	7.98E+01	* N	Pass	--	--
SW-1	1,1-DICHLOROETHENE	75354	Water	5	U	ug/L	4.36E-02	C	Fail	--	--
SW-1	1,2,4-TRICHLOROBENZENE	120821	Water	5	U	ug/L	1.94E+01	* N	Pass	--	--
SW-1	1,2-DIBROMO-3-CHLOROPROPANE	96128	Water	5	U	ug/L	4.74E-02	C	Fail	--	--
SW-1	1,2-DIBROMOETHANE	106934	Water	5	U	ug/L	7.52E-04	C	Fail	--	--
SW-1	1,2-DICHLOROBENZENE	95501	Water	5	U	ug/L	5.48E+01	* N	Pass	--	--
SW-1	1,2-DICHLOROETHANE	107062	Water	5	U	ug/L	1.16E-01	C	Fail	--	--
SW-1	1,2-DICHLOROPROPANE	78875	Water	5	U	ug/L	1.55E-01	C	Fail	--	--
SW-1	1,3-DICHLOROBENZENE	541731	Water	5	U	ug/L	5.47E-01	* N	Fail	--	--
SW-1	1,4-DICHLOROBENZENE	106467	Water	5	U	ug/L	4.73E-01	C	Fail	--	--
SW-1	2,4,5-TRICHLOROPHENOL	95954	Water	12.5	U	ug/L	3.65E+02	* N	Pass	--	--
SW-1	2,4,6-TRICHLOROPHENOL	88062	Water	5	U	ug/L	6.09E+00	C	Pass	--	--
SW-1	2,4-DICHLOROPHENOL	120832	Water	5	U	ug/L	1.09E+01	* N	Pass	--	--
SW-1	2,4-DIMETHYLPHENOL	105679	Water	5	U	ug/L	7.30E+01	* N	Pass	--	--
SW-1	2,4-DINITROPHENOL	51285	Water	12.5	U	ug/L	7.30E+00	* N	Fail	--	--
SW-1	2,4-DINITROTOLUENE	121142	Water	5	U	ug/L	7.30E+00	* N	Pass	--	--
SW-1	2,6-DINITROTOLUENE	606202	Water	5	U	ug/L	3.65E+00	* N	Fail	--	--
SW-1	2-BUTANONE	78933	Water	5	U	ug/L	1.91E+02	* N	Pass	--	--
SW-1	2-CHLORONAPHTHALENE	91587	Water	5	U	ug/L	4.87E+01	* N	Pass	--	--
SW-1	2-CHLOROPHENOL	95578	Water	5	U	ug/L	3.04E+00	* N	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Organics:											
SW-1	2-HEXANONE	591786	Water	5	U	ug/L	1.46E+02	* N	Pass	--	--
SW-1	2-METHYLNAPHTHALENE	91576	Water	5	U	ug/L	1.22E+01	* N	Pass	--	--
SW-1	2-METHYLPHENOL	95487	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
SW-1	2-NITROANILINE	88744	Water	12.5	U	ug/L			?	--	--
SW-1	2-NITROPHENOL	100027	Water	5	U	ug/L	2.92E+01	* N	Pass	--	--
SW-1	3,3'-DICHLOROBENZIDINE	91941	Water	5	U	ug/L	1.49E-01	C	Fail	--	--
SW-1	3-NITROANILINE	88744	Water	25	R	ug/L			?	--	--
SW-2	4,4'-DDD	72548	Water	0.1	UL	ug/L	2.79E-01	C	Pass	--	--
SW-2	4,4'-DDE	72559	Water	0.1	UL	ug/L	1.97E-01	C	Pass	--	--
SW-2	4,4'-DDT	50293	Water	0.1	UL	ug/L	1.97E-01	C	Pass	--	--
SW-1	4,6-DINITRO-2-METHYLPHENOL	534521	Water	12.5	U	ug/L	3.65E-01	* N	Fail	--	--
SW-1	4-CHLOROANILINE	106478	Water	5	U	ug/L	1.46E+01	* N	Pass	--	--
SW-1	4-METHYL-2-PENTANONE	108101	Water	5	U	ug/L	1.39E+01	* N	Pass	--	--
SW-1	4-METHYLPHENOL	106445	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
SW-1	4-NITROANILINE	88744	Water	25	UJ	ug/L			?	--	--
SW-1	4-NITROPHENOL	100027	Water	12.5	U	ug/L	2.92E+01	* N	Pass	--	--
SW-1	ACENAPHTHENE	83329	Water	5	U	ug/L	3.65E+01	* N	Pass	--	--
SW-1	ACENAPHTHYLENE	83329	Water	5	U	ug/L	3.65E+01	* N	Pass	--	--
SW-5	ACETONE	67641	Water	31	J	ug/L	6.08E+01	* N	Pass	--	--
SW-1	ACETOPHENONE	98862	Water	5	U	ug/L	4.16E-03	* N	Fail	--	--
SW-2	ALDRIN	309002	Water	0.05	UL	ug/L	3.94E-03	C	Fail	--	--
SW-2	ALPHA-BHC	319846	Water	0.05	UL	ug/L	1.06E-02	C	Fail	--	--
SW-2	ALPHA-CHLORDANE	57749	Water	0.05	UL	ug/L	1.91E-01	C	Pass	--	--
SW-1	ANTHRACENE	120127	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
SW-2	AROCLOR-1016	12674112	Water	1	UL	ug/L	9.57E-01	C	Fail	--	--
SW-2	AROCLOR-1221	11104282	Water	1	UL	ug/L	3.35E-02	C	Fail	--	--
SW-2	AROCLOR-1232	11141165	Water	1	UL	ug/L	3.35E-02	C	Fail	--	--
SW-2	AROCLOR-1242	53469219	Water	1	UL	ug/L	3.35E-02	C	Fail	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Organics:											
SW-2	AROCLOR-1248	12672296	Water	1	UL	ug/L	3.35E-02	C	Fail	--	--
SW-2	AROCLOR-1254	11097691	Water	1	UL	ug/L	3.35E-02	C	Fail	--	--
SW-2	AROCLOR-1260	11096825	Water	1	UL	ug/L	3.35E-02	C	Fail	--	--
SW-1	ATRAZINE	1912249	Water	5	U	ug/L	3.04E-01	C	Fail	--	--
SW-1	BENZALDEHYDE	100527	Water	10	UJ	ug/L	3.65E+02	* N	Pass	--	--
SW-1	BENZENE	71432	Water	5	U	ug/L	3.19E-01	C	Fail	--	--
SW-1	BENZO[A]ANTHRACENE	56553	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
SW-1	BENZO[A]PYRENE	50328	Water	5	U	ug/L	9.17E-03	C	Fail	--	--
SW-1	BENZO[B]FLUORANTHENE	205992	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
SW-1	BENZO[G,H,I]PERYLENE	129000	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
SW-1	BENZO[K]FLUORANTHENE	207089	Water	5	U	ug/L	9.17E-01	C	Fail	--	--
SW-2	BETA-BHC	319857	Water	0.05	UL	ug/L	3.72E-02	C	Fail	--	--
SW-1	BIS(2-CHLOROETHYL)ETHER	111444	Water	5	U	ug/L	9.59E-03	C	Fail	--	--
SW-1	BIS(2-CHLOROISOPROPYL)ETHER	108601	Water	5	U	ug/L	2.60E-01	C	Fail	--	--
SW-1	BIS(2-ETHYLHEXYL)PHTHALATE	117817	Water	5	U	ug/L	4.78E+00	C	Fail	--	--
SW-1	BROMODICHLOROMETHANE	75274	Water	5	U	ug/L	1.70E-01	C	Fail	--	--
SW-1	BROMOFORM	75252	Water	5	U	ug/L	8.48E+00	C	Pass	--	--
SW-1	BROMOMETHANE	74839	Water	5	U	ug/L	8.52E-01	* N	Fail	--	--
SW-1	BUTYLBENZYLPHTHALATE	85687	Water	5	U	ug/L	7.30E+02	* N	Pass	--	--
SW-1	CAPROLACTAM	105602	Water	5	U	ug/L	1.83E+03	* N	Pass	--	--
SW-1	CARBAZOLE	86748	Water	10	UJ	ug/L	3.35E+00	C	Fail	--	--
SW-1	CARBON DISULFIDE	75150	Water	5	U	ug/L	1.04E+02	* N	Pass	--	--
SW-1	CARBON TETRACHLORIDE	56235	Water	5	U	ug/L	1.62E-01	C	Fail	--	--
SW-1	CHLOROBENZENE	108907	Water	5	U	ug/L	1.06E+01	* N	Pass	--	--
SW-1	CHLOROETHANE	75003	Water	5	U	ug/L	3.64E+00	C	Fail	--	--
SW-1	CHLOROFORM	67663	Water	5	U	ug/L	1.52E-01	C	Fail	--	--
SW-1	CHLOROMETHANE	74873	Water	5	U	ug/L	2.11E+00	C	Fail	--	--
SW-1	CHRYSENE	218019	Water	5	U	ug/L	9.17E+00	C	Pass	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Organics:											
SW-1	CIS-1,2-DICHLOROETHENE	156592	Water	5	U	ug/L	6.08E+00	* N	Pass	--	--
SW-1	CIS-1,3-DICHLOROPROPENE	542756	Water	5	U	ug/L	7.65E-02	C	Fail	--	--
SW-2	DELTA-BHC	58899	Water	0.05	UL	ug/L	5.15E-02	C	Pass	--	--
SW-1	DIBENZO[A,H]ANTHRACENE	53703	Water	5	U	ug/L	9.17E-03	C	Fail	--	--
SW-1	DIBENZOFURAN	132649	Water	5	U	ug/L	2.43E+00	* N	Fail	--	--
SW-1	DIBROMOCHLOROMETHANE	124481	Water	5	U	ug/L	1.26E-01	C	Fail	--	--
SW-5	DIBUTYLPHTHALATE	84742	Water	5	U	ug/L	3.65E+02	* N	Pass	--	--
SW-1	DICHLORODIFLUOROMETHANE	75718	Water	5	U	ug/L	3.48E+01	* N	Pass	--	--
SW-2	DIELDRIN	60571	Water	0.1	UL	ug/L	4.19E-03	C	Fail	--	--
SW-1	DIETHYLPHTHALATE	84662	Water	5	U	ug/L	2.92E+03	* N	Pass	--	--
SW-1	DIMETHYLPHTHALATE	131113	Water	5	U	ug/L	3.65E+04	* N	Pass	--	--
SW-1	DIOCTYLPHTHALATE	117840	Water	5	U	ug/L	7.30E+01	* N	Pass	--	--
SW-2	ENDOSULFAN I	115297	Water	0.05	UL	ug/L	2.19E+01	* N	Pass	--	--
SW-2	ENDOSULFAN II	115297	Water	0.1	UL	ug/L	2.19E+01	* N	Pass	--	--
SW-2	ENDOSULFAN SULFATE	115297	Water	0.1	UL	ug/L	2.19E+01	* N	Pass	--	--
SW-2	ENDRIN	72208	Water	0.1	UL	ug/L	1.10E+00	* N	Pass	--	--
SW-2	ENDRIN ALDEHYDE	72208	Water	0.1	UL	ug/L	1.10E+00	* N	Pass	--	--
SW-2	ENDRIN KETONE	72208	Water	0.1	UL	ug/L	1.10E+00	* N	Pass	--	--
SW-1	ETHYLBENZENE	100414	Water	5	U	ug/L	1.34E+02	* N	Pass	--	--
SW-1	FLUORANTHENE	206440	Water	5	U	ug/L	1.46E+02	* N	Pass	--	--
SW-1	FLUORENE	86737	Water	5	U	ug/L	2.43E+01	* N	Pass	--	--
SW-2	GAMMA-BHC (LINDANE)	58899	Water	0.05	UL	ug/L	5.15E-02	C	Pass	--	--
SW-2	GAMMA-CHLORDANE	57749	Water	0.05	UL	ug/L	1.91E-01	C	Pass	--	--
SW-2	HEPTACHLOR	76448	Water	0.05	UL	ug/L	1.49E-02	C	Fail	--	--
SW-2	HEPTACHLOR EPOXIDE	1024573	Water	0.05	UL	ug/L	7.36E-03	C	Fail	--	--
SW-1	HEXACHLOROBENZENE	118741	Water	5	U	ug/L	4.19E-02	C	Fail	--	--
SW-5	HEXACHLOROBUTADIENE	87683	Water	10	U	ug/L	8.59E-01	C	Fail	--	--
SW-1	HEXACHLOROCYCLOPENTADIENE	77474	Water	5	U	ug/L	2.56E+01	* N	Pass	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

ORIGINAL (Red)

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC		Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)	Pass Tier 1 Screen ?
Water: Surface water											
Organics:											
SW-1	HEXACHLOROETHANE	67721	Water	5	U	ug/L	4.78E+00	C	Fail	--	--
SW-1	INDENO[1,2,3-CD]PYRENE	193395	Water	5	U	ug/L	9.17E-02	C	Fail	--	--
SW-1	ISOPHORONE	78591	Water	5	U	ug/L	7.05E+01	C	Pass	--	--
SW-1	ISOPROPYLBENZENE	98828	Water	5	U	ug/L	6.58E+01	* N	Pass	--	--
SW-2	METHOXYCHLOR	72435	Water	0.5	UL	ug/L	1.83E+01	* N	Pass	--	--
SW-1	METHYL ACETATE	79209	Water	5	U	ug/L	6.08E+02	* N	Pass	--	--
SW-1	METHYL TERT-BUTYL ETHER	1634044	Water	5	U	ug/L	6.26E+02	* N	Pass	--	--
SW-1	METHYLCYCLOHEXANE	108872	Water	5	U	ug/L	6.28E+02	* N	Pass	--	--
SW-1	METHYLENE CHLORIDE	75092	Water	5	U	ug/L	4.10E+00	C	Fail	--	--
SW-1	N-NITROSODIPHENYLAMINE	86306	Water	5	U	ug/L	1.37E+01	C	Pass	--	--
SW-1	N-NITROSODIPROPYLAMINE	621647	Water	5	U	ug/L	9.57E-03	C	Fail	--	--
SW-1	NAPHTHALENE	91203	Water	5	U	ug/L	6.51E-01	* N	Fail	--	--
SW-1	NITROBENZENE	98953	Water	5	U	ug/L	3.53E-01	* N	Fail	--	--
SW-1	PENTACHLOROPHENOL	87865	Water	12.5	U	ug/L	5.58E-01	C	Fail	--	--
SW-1	PHENANTHRENE	120127	Water	5	U	ug/L	1.83E+02	* N	Pass	--	--
SW-1	PHENOL	108952	Water	5	U	ug/L	2.19E+03	* N	Pass	--	--
SW-1	PYRENE	129000	Water	5	U	ug/L	1.83E+01	* N	Pass	--	--
SW-1	STYRENE	100425	Water	5	U	ug/L	1.62E+02	* N	Pass	--	--
SW-1	TETRACHLOROETHENE	127184	Water	5	U	ug/L	1.07E+00	C	Fail	--	--
SW-1	TOLUENE	108883	Water	5	U	ug/L	7.47E+01	* N	Pass	--	--
SW-2	TOXAPHENE	8001352	Water	5	UL	ug/L	6.09E-02	C	Fail	--	--
SW-1	TRANS-1,2-DICHLOROETHENE	156605	Water	5	U	ug/L	1.22E+01	* N	Pass	--	--
SW-1	TRANS-1,3-DICHLOROPROPENE	542756	Water	5	U	ug/L	7.65E-02	C	Fail	--	--
SW-1	TRICHLOROETHENE	79016	Water	5	U	ug/L	1.55E+00	C	Fail	--	--
SW-1	TRICHLOROFLUOROMETHANE	75694	Water	5	U	ug/L	1.29E+02	* N	Pass	--	--
SW-1	VINYL CHLORIDE	75014	Water	5	U	ug/L	1.91E-02	C	Fail	--	--
SW-1	XYLENES	1330207	Water	5	U	ug/L	1.22E+03	* N	Pass	--	--

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Soil											
Surface:											
No RBCs Available											
S-2	4-BROMOPHENYL PHENYL EHTER		Soil	1.9	U	mg/kg	--	--			?
S-2	4-CHLORO-3-METHYLPHENOL		Soil	3.8	UL	mg/kg	--	--			?
S-2	4-CHLOROPHENYL PHENYL ETHER		Soil	1.9	U	mg/kg	--	--			?
S-2	BIS(2-CHLOROETHOXY)METHANE		Soil	1.9	U	mg/kg	--	--			?
S-2	CALCIUM		Soil	2770		mg/kg	--	--			?
S-4	CYCLOHEXANE		Soil	0.0065	U	mg/kg	--	--			?
S-2	LEAD		Soil	93		mg/kg	--	--			?
S-3	MAGNESIUM		Soil	1630		mg/kg	--	--			?
S-3	POTASSIUM		Soil	563		mg/kg	--	--			?
S-1	SODIUM		Soil	50	<	mg/kg	--	--			?
Inorganics:											
S-3	ALUMINUM	7429905	Soil	8650		mg/kg	--	--	7.80E+03	* N	Fail
S-1	ANTIMONY	7440360	Soil	0.5	<	mg/kg	--	--	3.10E+00	* N	Pass
S-2	ARSENIC	7440382	Soil	7.2		mg/kg	--	--	4.30E-01	C	Fail
S-3	BARIUM	7440393	Soil	82		mg/kg	--	--	5.50E+02	* N	Pass
S-1	BERYLLIUM	7440417	Soil	3.1		mg/kg	--	--	1.60E+01	* N	Pass
S-2	CADMIUM	7440439	Soil	2.7		mg/kg	--	--	7.80E+00	* N	Pass
S-3	CHROMIUM	18540299	Soil	33		mg/kg	--	--	2.30E+01	* N	Fail
S-1	COBALT	7440484	Soil	17		mg/kg	--	--	4.70E+02	* N	Pass
S-1	COPPER	7440508	Soil	95.9		mg/kg	--	--	3.10E+02	* N	Pass
S-1	CYANIDE (TOTAL)	57125	Soil	0.5	<	mg/kg	--	--	1.60E+02	* N	Pass
S-2	IRON	7439896	Soil	26900		mg/kg	--	--	2.30E+03	* N	Fail
S-3	MANGANESE	7439965	Soil	507		mg/kg	--	--	1.60E+02	* N	Fail
S-1	MERCURY	7439976	Soil	0.05	<	mg/kg	--	--	1.00E-06	MDE	Fail
S-2	NICKEL	7440020	Soil	59		mg/kg	--	--	1.60E+02	* N	Pass
S-2	SELENIUM	7782492	Soil	0.9		mg/kg	--	--	3.90E+01	* N	Pass
S-2	SILVER	7440224	Soil	2	< C	mg/kg	--	--	3.90E+01	* N	Pass

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Soil											
Surface:											
Inorganics:											
S-1	THALLIUM	7440280	Soil	0.5	<	mg/kg	--	--	5.50E-01	* N	Pass
S-1	VANADIUM	7440622	Soil	48		mg/kg	--	--	5.50E+01	* N	Pass
S-2	ZINC	7440666	Soil	74		mg/kg	--	--	2.30E+03	* N	Pass
Organics:											
S-4	1,1,1-TRICHLOROETHANE	71556	Soil	0.0065	U	mg/kg	--	--	2.20E+03	* N	Pass
S-4	1,1,2,2-TETRACHLOROETHANE	79345	Soil	0.0065	U	mg/kg	--	--	3.20E+00	C	Pass
S-4	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76131	Soil	0.0065	U	mg/kg	--	--	2.30E+05	* N	Pass
S-4	1,1,2-TRICHLOROETHANE	79005	Soil	0.0065	U	mg/kg	--	--	1.10E+01	C	Pass
S-2	1,1-BIPHENYL	92524	Soil	0.81	J	mg/kg	--	--	3.90E+02	* N	Pass
S-4	1,1-DICHLOROETHANE	75343	Soil	0.0065	U	mg/kg	--	--	7.80E+02	* N	Pass
S-4	1,1-DICHLOROETHENE	75354	Soil	0.0065	U	mg/kg	--	--	1.10E+00	C	Pass
S-4	1,2,4-TRICHLOROBENZENE	120821	Soil	0.0065	U	mg/kg	--	--	7.80E+01	* N	Pass
S-4	1,2-DIBROMO-3-CHLOROPROPANE	96128	Soil	0.0065	U	mg/kg	--	--	4.60E-01	C	Pass
S-4	1,2-DIBROMOETHANE	106934	Soil	0.0065	U	mg/kg	--	--	7.50E-03	C	Pass
S-4	1,2-DICHLOROBENZENE	95501	Soil	0.0065	U	mg/kg	--	--	7.00E+02	* N	Pass
S-4	1,2-DICHLOROETHANE	107062	Soil	0.0065	U	mg/kg	--	--	7.00E+00	C	Pass
S-4	1,2-DICHLOROPROPANE	78875	Soil	0.0065	U	mg/kg	--	--	9.40E+00	C	Pass
S-4	1,3-DICHLOROBENZENE	541731	Soil	0.0065	U	mg/kg	--	--	7.00E+00	* N	Pass
S-4	1,4-DICHLOROBENZENE	106467	Soil	0.0065	U	mg/kg	--	--	2.70E+01	C	Pass
S-2	2,4,5-TRICHLOROPHENOL	95954	Soil	9.7	UL	mg/kg	--	--	7.80E+02	* N	Pass
S-2	2,4,6-TRICHLOROPHENOL	88062	Soil	3.8	UL	mg/kg	--	--	5.80E+01	C	Pass
S-2	2,4-DICHLOROPHENOL	120832	Soil	3.8	UL	mg/kg	--	--	2.30E+01	* N	Pass
S-2	2,4-DIMETHYLPHENOL	105679	Soil	3.8	UL	mg/kg	--	--	1.60E+02	* N	Pass
S-2	2,4-DINITROPHENOL	51285	Soil	9.7	UL	mg/kg	--	--	1.60E+01	* N	Pass
S-2	2,4-DINITROTOLUENE	121142	Soil	1.9	U	mg/kg	--	--	1.60E+01	* N	Pass
S-2	2,6-DINITROTOLUENE	606202	Soil	1.9	U	mg/kg	--	--	7.80E+00	* N	Pass
S-1	2-BUTANONE	78933	Soil	0.016	B	mg/kg	--	--	4.70E+03	* N	Pass

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Soil											
Surface:											
Organics:											
S-2	2-CHLORONAPHTHALENE	91587	Soil	1.9	U	mg/kg	--	--	6.30E+02	* N	Pass
S-2	2-CHLOROPHENOL	95578	Soil	3.8	UL	mg/kg	--	--	3.90E+01	* N	Pass
S-4	2-HEXANONE	591786	Soil	0.0065	U	mg/kg	--	--	3.10E+02	* N	Pass
S-2	2-METHYLNAPHTHALENE	91576	Soil	2.1	J	mg/kg	--	--	1.60E+02	* N	Pass
S-2	2-METHYLPHENOL	95487	Soil	3.8	UL	mg/kg	--	--	3.90E+02	* N	Pass
S-2	2-NITROANILINE	88744	Soil	4.85	U	mg/kg	--	--			?
S-2	2-NITROPHENOL	100027	Soil	3.8	UL	mg/kg	--	--	6.30E+01	* N	Pass
S-2	3,3'-DICHLOROBENZIDINE	91941	Soil	1.9	U	mg/kg	--	--	1.40E+00	C	Fail
S-2	3-NITROANILINE	88744	Soil	4.85	U	mg/kg	--	--			?
S-4	4,4'-DDD	72548	Soil	0.00215	U	mg/kg	--	--	2.70E+00	C	Pass
S-4	4,4'-DDE	72559	Soil	0.00215	U	mg/kg	--	--	1.90E+00	C	Pass
S-4	4,4'-DDT	50293	Soil	0.00215	U	mg/kg	--	--	1.90E+00	C	Pass
S-2	4,6-DINITRO-2-METHYLPHENOL	534521	Soil	9.7	UL	mg/kg	--	--	7.80E-01	* N	Fail
S-2	4-CHLOROANILINE	106478	Soil	1.9	U	mg/kg	--	--	3.10E+01	* N	Pass
S-4	4-METHYL-2-PENTANONE	108101	Soil	0.0065	U	mg/kg	--	--	6.30E+02	* N	Pass
S-2	4-METHYLPHENOL	106445	Soil	3.8	UL	mg/kg	--	--	3.90E+01	* N	Pass
S-2	4-NITROANILINE	88744	Soil	4.85	U	mg/kg	--	--			?
S-2	4-NITROPHENOL	100027	Soil	9.7	UL	mg/kg	--	--	6.30E+01	* N	Pass
S-2	ACENAPHTHENE	83329	Soil	8.4		mg/kg	--	--	4.70E+02	* N	Pass
S-2	ACENAPHTHYLENE	83329	Soil	1.1	J	mg/kg	--	--	4.70E+02	* N	Pass
S-4	ACETONE	67641	Soil	0.0065	U	mg/kg	--	--	7.80E+02	* N	Pass
S-2	ACETOPHENONE	98862	Soil	1.9	U	mg/kg	--	--	7.80E+02	* N	Pass
S-4	ALDRIN	309002	Soil	0.0011	U	mg/kg	--	--	3.80E-02	C	Pass
S-4	ALPHA-BHC	319846	Soil	0.0011	U	mg/kg	--	--	1.00E-01	C	Pass
S-4	ALPHA-CHLORDANE	57749	Soil	0.0011	U	mg/kg	--	--	1.80E+00	C	Pass
S-2	ANTHRACENE	120127	Soil	16		mg/kg	--	--	2.30E+03	* N	Pass
S-4	AROCLOR-1016	12674112	Soil	0.0215	U	mg/kg	--	--	5.50E-01	* N	Pass

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Soil											
Surface:											
Organics:											
S-4	AROCLOR-1221	11104282	Soil	0.0215	U	mg/kg	--	--	3.20E-01	C	Pass
S-4	AROCLOR-1232	11141165	Soil	0.0215	U	mg/kg	--	--	3.20E-01	C	Pass
S-4	AROCLOR-1242	53469219	Soil	0.0215	U	mg/kg	--	--	3.20E-01	C	Pass
S-4	AROCLOR-1248	12672296	Soil	0.0215	U	mg/kg	--	--	3.20E-01	C	Pass
S-4	AROCLOR-1254	11097691	Soil	0.0215	U	mg/kg	--	--	3.20E-01	C	Pass
S-4	AROCLOR-1260	11096825	Soil	0.0215	U	mg/kg	--	--	3.20E-01	C	Pass
S-2	ATRAZINE	1912249	Soil	3.8	R	mg/kg	--	--	2.90E+00	C	Fail
S-2	BENZALDEHYDE	100527	Soil	1.9	U	mg/kg	--	--	7.80E+02	* N	Pass
S-4	BENZENE	71432	Soil	0.0065	U	mg/kg	--	--	1.20E+01	C	Pass
S-2	BENZO[A]ANTHRACENE	56553	Soil	22		mg/kg	--	--	8.80E-01	C	Fail
S-2	BENZO[A]PYRENE	50328	Soil	17		mg/kg	--	--	8.80E-02	C	Fail
S-2	BENZO[B]FLUORANTHENE	205992	Soil	23		mg/kg	--	--	8.80E-01	C	Fail
S-2	BENZO[G,H,I]PERYLENE	129000	Soil	12		mg/kg	--	--	2.30E+02	* N	Pass
S-2	BENZO[K]FLUORANTHENE	207089	Soil	9.5		mg/kg	--	--	8.80E+00	C	Fail
S-4	BETA-BHC	319857	Soil	0.0011	U	mg/kg	--	--	3.60E-01	C	Pass
S-2	BIS(2-CHLOROETHYL)ETHER	111444	Soil	1.9	U	mg/kg	--	--	5.80E-01	C	Fail
S-2	BIS(2-CHLOROISOPROPYL)ETHER	108601	Soil	1.9	U	mg/kg	--	--	9.10E+00	C	Pass
S-2	BIS(2-ETHYLHEXYL)PHTHALATE	117817	Soil	1.9	U	mg/kg	--	--	4.60E+01	C	Pass
S-4	BROMODICHLOROMETHANE	75274	Soil	0.0065	U	mg/kg	--	--	1.00E+01	C	Pass
S-4	BROMOFORM	75252	Soil	0.0065	U	mg/kg	--	--	8.10E+01	C	Pass
S-4	BROMOMETHANE	74839	Soil	0.0065	U	mg/kg	--	--	1.10E+01	* N	Pass
S-2	BUTYLBENZYLPHTHALATE	85687	Soil	1.9	U	mg/kg	--	--	1.60E+03	* N	Pass
S-2	CAPROLACTAM	105602	Soil	1.9	U	mg/kg	--	--	3.90E+03	* N	Pass
S-2	CARBAZOLE	86748	Soil	16		mg/kg	--	--	3.20E+01	C	Pass
S-4	CARBON DISULFIDE	75150	Soil	0.0065	U	mg/kg	--	--	7.80E+02	* N	Pass
S-4	CARBON TETRACHLORIDE	56235	Soil	0.0065	U	mg/kg	--	--	4.90E+00	C	Pass
S-4	CHLOROBENZENE	108907	Soil	0.0065	U	mg/kg	--	--	1.60E+02	* N	Pass

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Soil											
Surface:											
Organics:											
S-4	CHLOROETHANE	75003	Soil	0.0065	U	mg/kg	--	--	2.20E+02	C	Pass
S-4	CHLOROFORM	67663	Soil	0.0065	U	mg/kg	--	--	1.00E+02	C	Pass
S-4	CHLOROMETHANE	74873	Soil	0.0065	U	mg/kg	--	--	4.90E+01	C	Pass
S-2	CHRYSENE	218019	Soil	21		mg/kg	--	--	8.80E+01	C	Pass
S-4	CIS-1,2-DICHLOROETHENE	156592	Soil	0.0065	U	mg/kg	--	--	7.80E+01	* N	Pass
S-4	CIS-1,3-DICHLOROPROPENE	542756	Soil	0.0065	U	mg/kg	--	--	3.60E+00	C	Pass
S-4	DELTA-BHC	58899	Soil	0.0011	U	mg/kg	--	--	4.90E-01	C	Pass
S-2	DIBENZO[A,H]ANTHRACENE	53703	Soil	6		mg/kg	--	--	8.80E-02	C	Fail
S-2	DIBENZOFURAN	132649	Soil	6		mg/kg	--	--	3.10E+01	* N	Pass
S-4	DIBROMOCHLOROMETHANE	124481	Soil	0.0065	U	mg/kg	--	--	7.60E+00	C	Pass
S-2	DIBUTYLPHTHALATE	84742	Soil	1.9	U	mg/kg	--	--	7.80E+02	* N	Pass
S-4	DICHLORODIFLUOROMETHANE	75718	Soil	0.0065	U	mg/kg	--	--	1.60E+03	* N	Pass
S-4	DIELDRIN	60571	Soil	0.00215	U	mg/kg	--	--	4.00E-02	C	Pass
S-2	DIETHYLPHTHALATE	84662	Soil	1.9	U	mg/kg	--	--	6.30E+03	* N	Pass
S-2	DIMETHYLPHTHALATE	131113	Soil	1.9	U	mg/kg	--	--	7.80E+04	* N	Pass
S-2	DIOCTYLPHTHALATE	117840	Soil	1.9	U	mg/kg	--	--	1.60E+02	* N	Pass
S-4	ENDOSULFAN I	115297	Soil	0.0011	U	mg/kg	--	--	4.70E+01	* N	Pass
S-4	ENDOSULFAN II	115297	Soil	0.00215	U	mg/kg	--	--	4.70E+01	* N	Pass
S-4	ENDOSULFAN SULFATE	115297	Soil	0.00215	U	mg/kg	--	--	4.70E+01	* N	Pass
S-4	ENDRIN	72208	Soil	0.00215	U	mg/kg	--	--	2.40E+00	* N	Pass
S-4	ENDRIN ALDEHYDE	72208	Soil	0.00215	U	mg/kg	--	--	2.40E+00	* N	Pass
S-4	ENDRIN KETONE	72208	Soil	0.00215	U	mg/kg	--	--	2.40E+00	* N	Pass
S-4	ETHYLBENZENE	100414	Soil	0.0065	U	mg/kg	--	--	7.80E+02	* N	Pass
S-2	FLUORANTHENE	206440	Soil	42		mg/kg	--	--	3.10E+02	* N	Pass
S-2	FLUORENE	86737	Soil	11		mg/kg	--	--	3.10E+02	* N	Pass
S-4	GAMMA-BHC (LINDANE)	58899	Soil	0.0011	U	mg/kg	--	--	4.90E-01	C	Pass
S-4	GAMMA-CHLORDANE	57749	Soil	0.0011	U	mg/kg	--	--	1.80E+00	C	Pass

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Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Soil											
Surface:											
Organics:											
S-4	HEPTACHLOR	76448	Soil	0.0011	U	mg/kg	--	--	1.40E-01	C	Pass
S-4	HEPTACHLOR EPOXIDE	1024573	Soil	0.0011	U	mg/kg	--	--	7.00E-02	C	Pass
S-2	HEXACHLOROBENZENE	118741	Soil	1.9	U	mg/kg	--	--	4.00E-01	C	Fail
S-2	HEXACHLOROBUTADIENE	87683	Soil	1.9	U	mg/kg	--	--	8.20E+00	C	Pass
S-2	HEXACHLOROCYCLOPENTADIENE	77474	Soil	1.9	U	mg/kg	--	--	5.50E+01	* N	Pass
S-2	HEXACHLOROETHANE	67721	Soil	1.9	U	mg/kg	--	--	4.60E+01	C	Pass
S-2	INDENO[1,2,3-CD]PYRENE	193395	Soil	14		mg/kg	--	--	8.80E-01	C	Fail
S-2	ISOPHORONE	78591	Soil	1.9	U	mg/kg	--	--	6.70E+02	C	Pass
S-4	ISOPROPYLBENZENE	98828	Soil	0.0065	U	mg/kg	--	--	7.80E+02	* N	Pass
S-4	METHOXYCHLOR	72435	Soil	0.011	U	mg/kg	--	--	3.90E+01	* N	Pass
S-4	METHYL ACETATE	79209	Soil	0.0065	U	mg/kg	--	--	7.80E+03	* N	Pass
S-4	METHYL TERT-BUTYL ETHER	1634044	Soil	0.0065	U	mg/kg	--	--			?
S-4	METHYLCYCLOHEXANE	108872	Soil	0.0065	U	mg/kg	--	--			?
S-4	METHYLENE CHLORIDE	75092	Soil	0.0065	U	mg/kg	--	--	8.50E+01	C	Pass
S-2	N-NITROSODIPHENYLAMINE	86306	Soil	1.9	U	mg/kg	--	--	1.30E+02	C	Pass
S-2	N-NITROSODIPROPYLAMINE	621647	Soil	1.9	U	mg/kg	--	--	9.10E-02	C	Fail
S-2	NAPHTHALENE	91203	Soil	6.4		mg/kg	--	--	1.60E+02	* N	Pass
S-2	NITROBENZENE	98953	Soil	1.9	U	mg/kg	--	--	3.90E+00	* N	Pass
S-2	PENTACHLOROPHENOL	87865	Soil	9.7	UL	mg/kg	--	--	5.30E+00	C	Fail
S-2	PHENANTHRENE	120127	Soil	43		mg/kg	--	--	2.30E+03	* N	Pass
S-2	PHENOL	108952	Soil	3.8	UL	mg/kg	--	--	4.70E+03	* N	Pass
S-2	PYRENE	129000	Soil	38		mg/kg	--	--	2.30E+02	* N	Pass
S-4	STYRENE	100425	Soil	0.0065	U	mg/kg	--	--	1.60E+03	* N	Pass
S-4	TETRACHLOROETHENE	127184	Soil	0.0065	U	mg/kg	--	--	1.20E+01	C	Pass
S-4	TOLUENE	108883	Soil	0.0065	U	mg/kg	--	--	1.60E+03	* N	Pass
S-4	TOXAPHENE	8001352	Soil	0.11	U	mg/kg	--	--	5.80E-01	C	Pass
S-4	TRANS-1,2-DICHLOROETHENE	156605	Soil	0.0065	U	mg/kg	--	--	1.60E+02	* N	Pass

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Aajusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Soil											
Surface:											
Organics:											
S-4	TRANS-1,3-DICHLOROPROPENE	542756	Soil	0.0065	U	mg/kg	--	--	3.60E+00	C	Pass
S-4	TRICHLOROETHENE	79016	Soil	0.0065	U	mg/kg	--	--	5.80E+01	C	Pass
S-4	TRICHLOROFLUOROMETHANE	75694	Soil	0.0065	U	mg/kg	--	--	2.30E+03	* N	Pass
S-4	VINYL CHLORIDE	75014	Soil	0.0065	U	mg/kg	--	--	3.40E-01	C	Pass
S-4	XYLENES	1330207	Soil	0.0065	U	mg/kg	--	--	1.60E+04	* N	Pass

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Sediment											
No RBCs Available											
SED-3	4-BROMOPHENYL PHENYL EHTER		Sediment	2.4	U	mg/kg	--	--			?
SED-3	4-CHLORO-3-METHYLPHENOL		Sediment	2.4	U	mg/kg	--	--			?
SED-3	4-CHLOROPHENYL PHENYL ETHER		Sediment	2.4	U	mg/kg	--	--			?
SED-3	BIS(2-CHLOROETHOXY)METHANE		Sediment	2.4	U	mg/kg	--	--			?
SED-1	CALCIUM		Sediment	67700		mg/kg	--	--			?
SED-3	CYCLOHEXANE		Sediment	0.007	U	mg/kg	--	--			?
SED-1	LEAD		Sediment	26400		mg/kg	--	--			?
SED-1	MAGNESIUM		Sediment	27800		mg/kg	--	--			?
SED-2	POTASSIUM		Sediment	577		mg/kg	--	--			?
SED-1	SODIUM		Sediment	751		mg/kg	--	--			?
Inorganics:											
SED-2	ALUMINUM	7429905	Sediment	9910		mg/kg	--	--	7.80E+03	* N	Fail
SED-1	ANTIMONY	7440360	Sediment	38.8		mg/kg	--	--	3.10E+00	* N	Fail
SED-1	ARSENIC	7440382	Sediment	14.7		mg/kg	--	--	4.30E-01	C	Fail
SED-1	BARIUM	7440393	Sediment	1020		mg/kg	--	--	5.50E+02	* N	Fail
SED-5	BERYLLIUM	7440417	Sediment	0.6		mg/kg	--	--	1.60E+01	* N	Pass
SED-1	CADMIUM	7440439	Sediment	165		mg/kg	--	--	7.80E+00	* N	Fail
SED-1	CHROMIUM	18540299	Sediment	685		mg/kg	--	--	2.30E+01	* N	Fail
SED-1	COBALT	7440484	Sediment	22		mg/kg	--	--	4.70E+02	* N	Pass
SED-1	COPPER	7440508	Sediment	619		mg/kg	--	--	3.10E+02	* N	Fail
SED-1	CYANIDE (TOTAL)	57125	Sediment	0.5	<	mg/kg	--	--	1.60E+02	* N	Pass
SED-1	IRON	7439896	Sediment	80900		mg/kg	--	--	2.30E+03	* N	Fail
SED-1	MANGANESE	7439965	Sediment	1040		mg/kg	--	--	1.60E+02	* N	Fail
SED-5	MERCURY	7439976	Sediment	0.1		mg/kg	--	--	1.00E-06	MDE	Fail
SED-1	NICKEL	7440020	Sediment	412		mg/kg	--	--	1.60E+02	* N	Fail
SED-1	SELENIUM	7782492	Sediment	0.5		mg/kg	--	--	3.90E+01	* N	Pass
SED-1	SILVER	7440224	Sediment	5		mg/kg	--	--	3.90E+01	* N	Pass
SED-1	THALLIUM	7440280	Sediment	6	< C	mg/kg	--	--	5.50E-01	* N	Fail

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.

Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Sediment											
Inorganics:											
SED-1	VANADIUM	7440622	Sediment	68		mg/kg	--	--	5.50E+01	* N	Fail
SED-1	ZINC	7440666	Sediment	924		mg/kg	--	--	2.30E+03	* N	Pass
Organics:											
SED-3	1,1,1-TRICHLOROETHANE	71556	Sediment	0.007	U	mg/kg	--	--	2.20E+03	* N	Pass
SED-3	1,1,2,2-TETRACHLOROETHANE	79345	Sediment	0.007	U	mg/kg	--	--	3.20E+00	C	Pass
SED-3	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76131	Sediment	0.007	U	mg/kg	--	--	2.30E+05	* N	Pass
SED-3	1,1,2-TRICHLOROETHANE	79005	Sediment	0.007	U	mg/kg	--	--	1.10E+01	C	Pass
SED-3	1,1-BIPHENYL	92524	Sediment	2.4	U	mg/kg	--	--	3.90E+02	* N	Pass
SED-3	1,1-DICHLOROETHANE	75343	Sediment	0.007	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	1,1-DICHLOROETHENE	75354	Sediment	0.007	U	mg/kg	--	--	1.10E+00	C	Pass
SED-3	1,2,4-TRICHLOROBENZENE	120821	Sediment	0.007	U	mg/kg	--	--	7.80E+01	* N	Pass
SED-3	1,2-DIBROMO-3-CHLOROPROPANE	96128	Sediment	0.007	U	mg/kg	--	--	4.60E-01	C	Pass
SED-3	1,2-DIBROMOETHANE	106934	Sediment	0.007	U	mg/kg	--	--	7.50E-03	C	Pass
SED-3	1,2-DICHLOROBENZENE	95501	Sediment	0.007	U	mg/kg	--	--	7.00E+02	* N	Pass
SED-3	1,2-DICHLOROETHANE	107062	Sediment	0.007	U	mg/kg	--	--	7.00E+00	C	Pass
SED-3	1,2-DICHLOROPROPANE	78875	Sediment	0.007	U	mg/kg	--	--	9.40E+00	C	Pass
SED-3	1,3-DICHLOROBENZENE	541731	Sediment	0.007	U	mg/kg	--	--	7.00E+00	* N	Pass
SED-3	1,4-DICHLOROBENZENE	106467	Sediment	0.007	U	mg/kg	--	--	2.70E+01	C	Pass
SED-3	2,4,5-TRICHLOROPHENOL	95954	Sediment	6	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	2,4,6-TRICHLOROPHENOL	88062	Sediment	2.4	U	mg/kg	--	--	5.80E+01	C	Pass
SED-3	2,4-DICHLOROPHENOL	120832	Sediment	2.4	U	mg/kg	--	--	2.30E+01	* N	Pass
SED-3	2,4-DIMETHYLPHENOL	105679	Sediment	2.4	U	mg/kg	--	--	1.60E+02	* N	Pass
SED-3	2,4-DINITROPHENOL	51285	Sediment	6	U	mg/kg	--	--	1.60E+01	* N	Pass
SED-3	2,4-DINITROTOLUENE	121142	Sediment	2.4	U	mg/kg	--	--	1.60E+01	* N	Pass
SED-3	2,6-DINITROTOLUENE	606202	Sediment	2.4	U	mg/kg	--	--	7.80E+00	* N	Pass
SED-1	2-BUTANONE	78933	Sediment	0.015	B	mg/kg	--	--	4.70E+03	* N	Pass
SED-3	2-CHLORONAPHTHALENE	91587	Sediment	2.4	U	mg/kg	--	--	6.30E+02	* N	Pass
SED-3	2-CHLOROPHENOL	95578	Sediment	2.4	U	mg/kg	--	--	3.90E+01	* N	Pass

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Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Sediment											
Organics:											
SED-3	2-HEXANONE	591786	Sediment	0.007	U	mg/kg	--	--	3.10E+02	* N	Pass
SED-3	2-METHYLNAPHTHALENE	91576	Sediment	2.4	U	mg/kg	--	--	1.60E+02	* N	Pass
SED-3	2-METHYLPHENOL	95487	Sediment	2.4	U	mg/kg	--	--	3.90E+02	* N	Pass
SED-3	2-NITROANILINE	88744	Sediment	6	U	mg/kg	--	--			?
SED-3	2-NITROPHENOL	100027	Sediment	2.4	U	mg/kg	--	--	6.30E+01	* N	Pass
SED-3	3,3'-DICHLOROBENZIDINE	91941	Sediment	2.4	U	mg/kg	--	--	1.40E+00	C	Fail
SED-3	3-NITROANILINE	88744	Sediment	6	U	mg/kg	--	--			?
SED-3	4,4'-DDD	72548	Sediment	0.0024	U	mg/kg	--	--	2.70E+00	C	Pass
SED-3	4,4'-DDE	72559	Sediment	0.0045	J	mg/kg	--	--	1.90E+00	C	Pass
SED-3	4,4'-DDT	50293	Sediment	0.017	J	mg/kg	--	--	1.90E+00	C	Pass
SED-3	4,6-DINITRO-2-METHYLPHENOL	534521	Sediment	6	U	mg/kg	--	--	7.80E-01	* N	Fail
SED-3	4-CHLOROANILINE	106478	Sediment	2.4	U	mg/kg	--	--	3.10E+01	* N	Pass
SED-3	4-METHYL-2-PENTANONE	108101	Sediment	0.007	U	mg/kg	--	--	6.30E+02	* N	Pass
SED-3	4-METHYLPHENOL	106445	Sediment	2.4	U	mg/kg	--	--	3.90E+01	* N	Pass
SED-3	4-NITROANILINE	88744	Sediment	6	U	mg/kg	--	--			?
SED-3	4-NITROPHENOL	100027	Sediment	6	U	mg/kg	--	--	6.30E+01	* N	Pass
SED-3	ACENAPHTHENE	83329	Sediment	1.1	J	mg/kg	--	--	4.70E+02	* N	Pass
SED-3	ACENAPHTHYLENE	83329	Sediment	2.4	U	mg/kg	--	--	4.70E+02	* N	Pass
SED-3	ACETONE	67641	Sediment	0.007	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	ACETOPHENONE	98862	Sediment	2.4	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	ALDRIN	309002	Sediment	0.00125	U	mg/kg	--	--	3.80E-02	C	Pass
SED-3	ALPHA-BHC	319846	Sediment	0.00125	U	mg/kg	--	--	1.00E-01	C	Pass
SED-3	ALPHA-CHLORDANE	57749	Sediment	0.01	J	mg/kg	--	--	1.80E+00	C	Pass
SED-3	ANTHRACENE	120127	Sediment	2.3	J	mg/kg	--	--	2.30E+03	* N	Pass
SED-3	AROCLOR-1016	12674112	Sediment	0.024	U	mg/kg	--	--	5.50E-01	* N	Pass
SED-3	AROCLOR-1221	11104282	Sediment	0.024	U	mg/kg	--	--	3.20E-01	C	Pass
SED-3	AROCLOR-1232	11141165	Sediment	0.024	U	mg/kg	--	--	3.20E-01	C	Pass
SED-3	AROCLOR-1242	53469219	Sediment	0.024	U	mg/kg	--	--	3.20E-01	C	Pass

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Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Sediment											
Organics:											
SED-3	AROCLOR-1248	12672296	Sediment	0.024	U	mg/kg	--	--	3.20E-01	C	Pass
SED-3	AROCLOR-1254	11097691	Sediment	0.024	U	mg/kg	--	--	3.20E-01	C	Pass
SED-3	AROCLOR-1260	11096825	Sediment	0.024	U	mg/kg	--	--	3.20E-01	C	Pass
SED-3	ATRAZINE	1912249	Sediment	4.8	R	mg/kg	--	--	2.90E+00	C	Fail
SED-3	BENZALDEHYDE	100527	Sediment	2.4	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	BENZENE	71432	Sediment	0.007	U	mg/kg	--	--	1.20E+01	C	Pass
SED-3	BENZO[A]ANTHRACENE	56553	Sediment	5.7		mg/kg	--	--	8.80E-01	C	Fail
SED-3	BENZO[A]PYRENE	50328	Sediment	5.2		mg/kg	--	--	8.80E-02	C	Fail
SED-3	BENZO[B]FLUORANTHENE	205992	Sediment	5.3		mg/kg	--	--	8.80E-01	C	Fail
SED-3	BENZO[G,H,I]PERYLENE	129000	Sediment	3	J	mg/kg	--	--	2.30E+02	* N	Pass
SED-3	BENZO[K]FLUORANTHENE	207089	Sediment	4.3	J	mg/kg	--	--	8.80E+00	C	Pass
SED-3	BETA-BHC	319857	Sediment	0.00125	U	mg/kg	--	--	3.60E-01	C	Pass
SED-3	BIS(2-CHLOROETHYL)ETHER	111444	Sediment	2.4	U	mg/kg	--	--	5.80E-01	C	Fail
SED-3	BIS(2-CHLOROISOPROPYL)ETHER	108601	Sediment	2.4	U	mg/kg	--	--	9.10E+00	C	Pass
SED-3	BIS(2-ETHYLHEXYL)PHTHALATE	117817	Sediment	1.7	J	mg/kg	--	--	4.60E+01	C	Pass
SED-3	BROMODICHLOROMETHANE	75274	Sediment	0.007	U	mg/kg	--	--	1.00E+01	C	Pass
SED-3	BROMOFORM	75252	Sediment	0.007	U	mg/kg	--	--	8.10E+01	C	Pass
SED-3	BROMOMETHANE	74839	Sediment	0.007	U	mg/kg	--	--	1.10E+01	* N	Pass
SED-3	BUTYLBENZYLPHTHALATE	85687	Sediment	0.79	J	mg/kg	--	--	1.60E+03	* N	Pass
SED-3	CAPROLACTAM	105602	Sediment	2.4	U	mg/kg	--	--	3.90E+03	* N	Pass
SED-3	CARBAZOLE	86748	Sediment	2.2	J	mg/kg	--	--	3.20E+01	C	Pass
SED-3	CARBON DISULFIDE	75150	Sediment	0.007	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	CARBON TETRACHLORIDE	56235	Sediment	0.007	U	mg/kg	--	--	4.90E+00	C	Pass
SED-3	CHLOROBENZENE	108907	Sediment	0.007	U	mg/kg	--	--	1.60E+02	* N	Pass
SED-3	CHLOROETHANE	75003	Sediment	0.007	U	mg/kg	--	--	2.20E+02	C	Pass
SED-3	CHLOROFORM	67663	Sediment	0.007	U	mg/kg	--	--	1.00E+02	C	Pass
SED-3	CHLOROMETHANE	74873	Sediment	0.007	U	mg/kg	--	--	4.90E+01	C	Pass
SED-3	CHRYSENE	218019	Sediment	6.7		mg/kg	--	--	8.80E+01	C	Pass

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Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Sediment											
Organics:											
SED-3	CIS-1,2-DICHLOROETHENE	156592	Sediment	0.007	U	mg/kg	--	--	7.80E+01	* N	Pass
SED-3	CIS-1,3-DICHLOROPROPENE	542756	Sediment	0.007	U	mg/kg	--	--	3.60E+00	C	Pass
SED-3	DELTA-BHC	58899	Sediment	0.00125	U	mg/kg	--	--	4.90E-01	C	Pass
SED-3	DIBENZO[A,H]ANTHRACENE	53703	Sediment	1.1	J	mg/kg	--	--	8.80E-02	C	Fail
SED-3	DIBENZOFURAN	132649	Sediment	0.75	J	mg/kg	--	--	3.10E+01	* N	Pass
SED-3	DIBROMOCHLOROMETHANE	124481	Sediment	0.007	U	mg/kg	--	--	7.60E+00	C	Pass
SED-3	DIBUTYLPHTHALATE	84742	Sediment	2.4	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	DICHLORODIFLUOROMETHANE	75718	Sediment	0.007	U	mg/kg	--	--	1.60E+03	* N	Pass
SED-3	DIELDRIN	60571	Sediment	0.0039	J	mg/kg	--	--	4.00E-02	C	Pass
SED-3	DIETHYLPHTHALATE	84662	Sediment	2.4	U	mg/kg	--	--	6.30E+03	* N	Pass
SED-3	DIMETHYLPHTHALATE	131113	Sediment	2.4	U	mg/kg	--	--	7.80E+04	* N	Pass
SED-3	DIOCTYLPHTHALATE	117840	Sediment	2.4	U	mg/kg	--	--	1.60E+02	* N	Pass
SED-3	ENDOSULFAN I	115297	Sediment	0.00125	U	mg/kg	--	--	4.70E+01	* N	Pass
SED-3	ENDOSULFAN II	115297	Sediment	0.0024	U	mg/kg	--	--	4.70E+01	* N	Pass
SED-3	ENDOSULFAN SULFATE	115297	Sediment	0.0024	U	mg/kg	--	--	4.70E+01	* N	Pass
SED-3	ENDRIN	72208	Sediment	0.0024	U	mg/kg	--	--	2.40E+00	* N	Pass
SED-5	ENDRIN ALDEHYDE	72208	Sediment	0.00215	U	mg/kg	--	--	2.40E+00	* N	Pass
SED-3	ENDRIN KETONE	72208	Sediment	0.011	J	mg/kg	--	--	2.40E+00	* N	Pass
SED-3	ETHYLBENZENE	100414	Sediment	0.007	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	FLUORANTHENE	206440	Sediment	13		mg/kg	--	--	3.10E+02	* N	Pass
SED-3	FLUORENE	86737	Sediment	1.1	J	mg/kg	--	--	3.10E+02	* N	Pass
SED-3	GAMMA-BHC (LINDANE)	58899	Sediment	0.00125	U	mg/kg	--	--	4.90E-01	C	Pass
SED-3	GAMMA-CHLORDANE	57749	Sediment	0.015	J	mg/kg	--	--	1.80E+00	C	Pass
SED-3	HEPTACHLOR	76448	Sediment	0.00125	U	mg/kg	--	--	1.40E-01	C	Pass
SED-3	HEPTACHLOR EPOXIDE	1024573	Sediment	0.00125	U	mg/kg	--	--	7.00E-02	C	Pass
SED-3	HEXACHLOROBENZENE	118741	Sediment	2.4	U	mg/kg	--	--	4.00E-01	C	Fail
SED-3	HEXACHLOROBUTADIENE	87683	Sediment	2.4	U	mg/kg	--	--	8.20E+00	C	Pass
SED-3	HEXACHLOROCYCLOPENTADIENE	77474	Sediment	2.4	U	mg/kg	--	--	5.50E+01	* N	Pass

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Sample ID	Analyte	CAS	Matrix	Concentration	Qual.	Units	Adjusted Tap Water RBC	Pass Tier 1 Screen ?	Adjusted Soil RBC (Residential)		Pass Tier 1 Screen ?
Sediment											
Organics:											
SED-3	HEXACHLOROETHANE	67721	Sediment	2.4	U	mg/kg	--	--	4.60E+01	C	Pass
SED-3	INDENO[1,2,3-CD]PYRENE	193395	Sediment	3.3	J	mg/kg	--	--	8.80E-01	C	Fail
SED-3	ISOPHORONE	78591	Sediment	2.4	U	mg/kg	--	--	6.70E+02	C	Pass
SED-3	ISOPROPYLBENZENE	98828	Sediment	0.007	U	mg/kg	--	--	7.80E+02	* N	Pass
SED-3	METHOXYCHLOR	72435	Sediment	0.0125	U	mg/kg	--	--	3.90E+01	* N	Pass
SED-3	METHYL ACETATE	79209	Sediment	0.007	U	mg/kg	--	--	7.80E+03	* N	Pass
SED-3	METHYL TERT-BUTYL ETHER	1634044	Sediment	0.007	U	mg/kg	--	--			?
SED-3	METHYLCYCLOHEXANE	108872	Sediment	0.007	U	mg/kg	--	--			?
SED-3	METHYLENE CHLORIDE	75092	Sediment	0.007	U	mg/kg	--	--	8.50E+01	C	Pass
SED-3	N-NITROSODIPHENYLAMINE	86306	Sediment	2.4	U	mg/kg	--	--	1.30E+02	C	Pass
SED-3	N-NITROSODIPROPYLAMINE	621647	Sediment	2.4	U	mg/kg	--	--	9.10E-02	C	Fail
SED-3	NAPHTHALENE	91203	Sediment	0.63	J	mg/kg	--	--	1.60E+02	* N	Pass
SED-3	NITROBENZENE	98953	Sediment	2.4	U	mg/kg	--	--	3.90E+00	* N	Pass
SED-3	PENTACHLOROPHENOL	87865	Sediment	6	U	mg/kg	--	--	5.30E+00	C	Fail
SED-3	PHENANTHRENE	120127	Sediment	10		mg/kg	--	--	2.30E+03	* N	Pass
SED-3	PHENOL	108952	Sediment	2.4	U	mg/kg	--	--	4.70E+03	* N	Pass
SED-3	PYRENE	129000	Sediment	10		mg/kg	--	--	2.30E+02	* N	Pass
SED-3	STYRENE	100425	Sediment	0.007	U	mg/kg	--	--	1.60E+03	* N	Pass
SED-3	TETRACHLOROETHENE	127184	Sediment	0.007	U	mg/kg	--	--	1.20E+01	C	Pass
SED-3	TOLUENE	108883	Sediment	0.007	U	mg/kg	--	--	1.60E+03	* N	Pass
SED-3	TOXAPHENE	8001352	Sediment	0.125	U	mg/kg	--	--	5.80E-01	C	Pass
SED-3	TRANS-1,2-DICHLOROETHENE	156605	Sediment	0.007	U	mg/kg	--	--	1.60E+02	* N	Pass
SED-3	TRANS-1,3-DICHLOROPROPENE	542756	Sediment	0.007	U	mg/kg	--	--	3.60E+00	C	Pass
SED-3	TRICHLOROETHENE	79016	Sediment	0.007	U	mg/kg	--	--	5.80E+01	C	Pass
SED-3	TRICHLOROFLUOROMETHANE	75694	Sediment	0.007	U	mg/kg	--	--	2.30E+03	* N	Pass
SED-3	VINYL CHLORIDE	75014	Sediment	0.007	U	mg/kg	--	--	3.40E-01	C	Pass
SED-3	XYLENES	1330207	Sediment	0.007	U	mg/kg	--	--	1.60E+04	* N	Pass

* RBC adjusted for non-carcinogenic additive effects; N = non-carcinogenic; C = carcinogenic. Note: no RBC value exists for inorganic mercury; the screening value was arbitrarily set at 1E-6 for soil and water.