5115108 07-01-0008 2.5 Gallon BGWBF 2.1

PRECLEANED CERTIFIED™

Certificate of Compliance

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EXTRACTABLE ORGANIC COMPOUNDS

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite	< 100

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04 28 98
Mary Vice President, ESS Inc.
Quality Assurance Manager

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USEPA SF
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5/19/08 07-01-0008 1L amber (7. Ribbon

PRECLEANED CERTIFIED™

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Matt Macy-Vice President, ESS, Inc.
Quality Assurance Manager

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5114608 1L amber 07-01-0008 Amber Amber

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

M1 0451735
08204465

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Matt Macy-Vice President, ESS, Inc.
Quality Assurance Manager

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5/14/08 1L ESS-5 07-01-0008

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Matt Macy-Vice President, ESS, Inc.
Quality Assurance Manager

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5/15/08 Work Log 07-02-0008 B. Ulloa

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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07-01-0008 5/12/08 8 oz Jars alan

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The enclosed containers have been chemically cleaned by using the specified USEPA cleaning procedures for low level chemical analysis. ESS containers meet and exceed the required detection limits established by theUSEPA in SPECIFICATIONS AND GUIDANCE FOR CONTAMINANT-FREE SAMPLE CONTAINERS.

EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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5/12/08 07-01-0008 40ml VOA

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EXTRACTABLE ORGANIC COMPOUNDS

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite	< 100

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5/12/08 07-01-0008 802 Jars

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Meithyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Matt Macy-Vice President, ESS, Inc.
Quality Assurance Manager

OCT 2008

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5/12/08 07010008 8oz Jars Alan Jenn

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The enclosed containers have been chemically cleaned by using the specified USEPA cleaning procedures for low level chemical analysis. ESS containers meet and exceed the required detection limits established by theUSEPA in SPECIFICATIONS AND GUIDANCE FOR CONTAMINANT-FREE SAMPLE CONTAINERS.

EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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The enclosed containers have been chemically cleaned by using the specified USEPA cleaning procedures for low level chemical analysis. ESS containers meet and exceed the required detection limits established by theUSEPA in SPECIFICATIONS AND GUIDANCE FOR CONTAMINANT-FREE SAMPLE CONTAINERS.

EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Matt Macy-Vice President, ESS, Inc.
Quality Assurance Manager

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5/12/08 07-01-0008 8 oz jars R Rondu

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager
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5/12/08 4mL 07-01-0008 R Vodden

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The enclosed containers have been chemically cleaned by using the specified USEPA cleaning procedures for low level chemical analysis. ESS containers meet and exceed the required detection limits established by theUSEPA in SPECIFICATIONS AND GUIDANCE FOR CONTAMINANT-FREE SAMPLE CONTAINERS.

EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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5/12/08 8 oz. jars 07-01-0008

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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3402 Anger 5/12/08 07-01-0008 B. Robinson

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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32 oz poly 5/12/08 07-01-0008 B. [illegible]

PRECLEANED CERTIFIED™

Certificate of Compliance

The enclosed containers have been chemically cleaned by using the specified USEPA cleaning procedures for low level chemical analysis. ESS containers meet and exceed the required detection limits established by theUSEPA in SPECIFICATIONS AND GUIDANCE FOR CONTAMINANT-FREE SAMPLE CONTAINERS.

EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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5/12/08 07-01-0008 8oz Jars alan ferran

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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B. Robbins 6/4/08 07-01-0008 8 oz jars

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Matt Macy-Vice President, ESS, Inc.
Quality Assurance Manager

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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EXTRACTABLE ORGANIC COMPOUNDS

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite	< 100

"We sell experience with every container."™

ENVIRONMENTAL SAMPLING SUPPLY

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090407

Matt Macy-Vice President, ESS, Inc.
Quality Assurance Manager

For information on our cleaning & monitoring procedures please call:
800-233-8425

5/14/08 8 oz jars 67-01-0008

PRECLEANED CERTIFIED™

Certificate of Compliance

The enclosed containers have been chemically cleaned by using the specified USEPA cleaning procedures for low level chemical analysis. ESS containers meet and exceed the required detection limits established by theUSEPA in SPECIFICATIONS AND GUIDANCE FOR CONTAMINANT-FREE SAMPLE CONTAINERS.

EXTRACTABLE ORGANIC COMPOUNDS (Procedure 1)

Analyte	Quantitation Limit (ug/L)
Pesticides / PCBs	
Alpha-BHC	< 0.01
Beta-BHC	< 0.01
Delta-BHC	< 0.01
Gamma-BHC (Lindane)	< 0.01
Heptachlor	< 0.01
Aldrin	< 0.01
Heptachlor Epoxide	< 0.01
Endosulfan I	< 0.01
Dieldrin	< 0.02
4,4'-DDE	< 0.02
Endrin	< 0.02
Endosulfan II	< 0.02
4,4'-DDD	< 0.02
Endosulfan Sulfate	< 0.02
4,4'-DDT	< 0.02
Methoxychlor	< 0.10
Endrin Ketone	< 0.02
Endrin Aldehyde	< 0.02
Alpha-Chlordane	< 0.01
Gamma-Chlordane	< 0.01
Toxaphene	< 1.0
Aroclor-1016	< 0.20
Aroclor-1221	< 0.20
Aroclor-1232	< 0.20
Aroclor-1242	< 0.20
Aroclor-1248	< 0.20
Aroclor-1254	< 0.20
Aroclor-1260	< 0.20
Aroclor-1262	< 0.20
Aroclor-1268	< 0.20
Semivolatiles	
Phenol	< 5
bis-(2-Chloroethyl) ether	< 5
bis-(2-Chloroisopropyl) ether	< 5
2-Chlorophenol	< 5
2-Methylphenol	< 5
2,2'-Oxybis-(1-Chloropropane)	< 5
4-Methylphenol	< 5
N-Nitroso-di-n-propylamine	< 5
Hexachloroethane	< 5
Nitrobenzene	< 5
Isophorone	< 5
2-Nitrophenol	< 5
2,4-Dimethylphenol	< 5
bis-(2-Chloroethoxy) methane	< 5
2,4-Dichlorophenol	< 5
1,2,4-Trichlorobenzene	< 5
Naphthalene	< 5
4-Chloroaniline	< 5
Hexachlorobutadiene	< 5
4-Chloro-3-Methylphenol	< 5
2-Methylnaphthalene	< 5
Hexachlorocyclopentadiene	< 5
2,4,6-Trichlorophenol	< 5
2,4,5-Trichlorophenol	< 20
1,2-Diphenylhydrazene	< 5
Carbazole	< 5
2-Chloronaphthalene	< 5
2-Nitroaniline	< 20
Dimethylphthalate	< 5
Acenaphthylene	< 5
2,6-Dinitrotoluene	< 5
3-Nitroaniline	< 20
Acenaphthene	< 5
2,4-Dinitrophenol	< 20
4-Nitrophenol	< 20
Dibenzofuran	< 5
2,4-Dinitrotoluene	< 5
Diethylphthalate	< 5
4-Chlorophenyl-Phenylether	< 5
Flourene	< 5
4-Nitroaniline	< 20
4,6-Dinitro-2-Methyphenol	< 20
N-Nitrosodiphenylamine	< 5
N-Nitrosodimethylamine	< 5
4-Bromophenyl-Phenylether	< 5
Hexachlorobenzene	< 5
Pentachlorophenol	< 20
Phenanthrene	< 5
Anthracene	< 5
Di-n-Butylphthalate	< 5
Fluoroanthene	< 5
Pyrene	< 5
Butylbenzylphthalate	< 5
1,2'-Dichlorobenzene	< 5
1,3'-Dichlorobenzene	< 5
1,4'-Dichlorobenzene	< 5
3,3'-Dichlorobenzidine	< 5
Benzo[a]anthracene	< 5
Chyrsene	< 5
bis-(2-Ethylhexyl) Phthalate	< 5
Di-n-Octylphthalate	< 5
Benzo[b]flouranthene	< 5
Benzo[k]flouranthene	< 5
Benzo[a]pyrene	< 5
Indeno(1,2,3-cd)pyrene	< 5
Dibenzo[a,h]anthracene	< 5
Benzo[g,h,i]perylene	< 5
Benzoic Acid	< 20
Benzyl Alcohol	< 5

PURGEABLE VOLATILE ORGANIC COMPOUNDS (Procedure 2)

Analyte	Quantitation Limit (ug/L)
Acetone	< 5
Benzene	< 1
Bromoform	< 1
Bromobenzene	< 1
Bromochloromethane	< 1
Bromodichloromethane	< 1
Bromomethane	< 1
z-Butylbenzene	< 5
n-Butylbenzene	< 1
sec-Butylbenzene	< 1
tert-Butylbenzene	< 1
Carbon Tetrachloride	< 1
Carbon Disulfide	< 1
Chlorobenzene	< 1
Chloroethane	< 1
Chloromethane	< 1
2-Chlorotoluene	< 1
4-Chlorotoluene	< 1
2,4-Chlorotoluene	< 1
Chloroform	< 1
Dibromomethane	< 1
1,2-Dibro 3-Chloropropane	< 1
Dibromochloromethane	< 1
1,2-Dibromoethane (EDB)	< 1
1,2-Dichlorobenzene	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
Dichlorodifluoromethane	< 1
1,1-Dichloroethane	< 1
1,2-Dichloroethane	< 1
1,1-Dichloroethene	< 1
cis-1,2-Dichloroethene	< 1
trans-1,2-Dichloroethene	< 1
1,2-Dichloropropane	< 1
1,3-Dichloropropane	< 1
2,2-Dichloropropane	< 1
1,1-Dichloropropene	< 1
cis-1,3-Dichloropropene	< 1
trans-1,3-Dichloropropene	< 1
Ethylbenzene	< 1
2-Hexanone	< 5
Hexachlorobutadiene	< 1
Isopropylbenzene	< 1
4-Isopropyltoluene	< 1
Methylene Chloride	< 2
Naphthalene	< 1
Propylbenzene	< 1
Styrene	< 1
1,1,1,2-Tetrachloroethane	< 1
1,1,2,2-Tetrachloroethane	< 1
Tetrachloroethene	< 1
Toluene	< 1
1,2,3,-Trichlorobenzene	< 1
1,2,4,-Trichlorobenzene	< 1
1,1,1-Trichloroethane	< 1
1,1,2-Trichloroethane	< 1
Trichloroethene	< 1
Trichlorofluoromethane	< 1
Trichlorotrifluoroethane	< 1
1,2,3-Trichloropropane	< 1
1,2,3-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
1,3,5-Trimethylbenzene	< 1
Vinyl Acetate	< 5
Vinyl Chloride	< 1
Methyl-Tert-Butyl-Ether	< 1
4-Methyl-2-pentanone	< 5
o-xylene	< 1
m-xylene (1)	< 1
p-xylene (1)	< 1

METALS, CYANIDE, & SULFIDE COMPOUNDS (Procedure 3)

Analyte	Detection Limit (ug/L)
Aluminum	< 80
Antimony	< 5
Arsenic	< 2
Barium	< 20
Barium (Amber HDPE)	< 50
Beryllium	< 0.5
Cadmium	< 1
Calcium	< 500
Calcium (HDPE)	< 100
Chromium	< 10
Cobalt	< 10
Copper	< 10
Iron	< 50
Lead	< 2
Magnesium	< 100
Manganese	< 10
Mercury	< 0.2
Nickel	< 20
Potassium	< 750
Potassium (HDPE)	< 100
Selenium	< 2
Silver	< 5
Sodium	< 5000
Sodium (HDPE)	< 100
Thallium	< 5
Vanadium	< 10
Zinc	< 10
Zinc (Amber HDPE)	< 500
Cyanide	< 10
Flouride	< 200
Nitrate+Nitrite (Proc. 4)	< 100

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Quality Assurance Manager

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