

Surface Water Quality Monitoring Optional and Special Study Parameters

<b>ORGANICS IN WATER (µg/L) Δ = AQUATIC LIFE USE; □ = HUMAN HEALTH</b>	<b>* Priority</b>
<b>Semivolatile</b>	
PHENOL (C <sub>6</sub> H <sub>5</sub> OH)-SINGLE COMPOUND	
2-CHLOROPHENOL	
2-NITROPHENOL	
2,4-DICHLOROPHENOL	
PARACHLOROMETA CRESOL	
<b>2,4,5-TRICHLOROPHENOL Δ □</b>	<b>Y</b>
2,4,6-TRICHLOROPHENOL	
2,4-DIMETHYLPHENOL	
2,4-DINITROPHENOL	
4-NITROPHENOL	
DNOC (4,6-DINITRO-ORTHO-CRESOL)	
<b>PCP (PENTACHLOROPHENOL) Δ □</b>	<b>Y</b>
N-NITROSODIMETHYLAMINE	
<b>BIS (2-CHLOROETHYL) ETHER □</b>	<b>Y</b>
<b>1,3-DICHLOROBENZENE □</b>	<b>Y</b>
<b>1,4-DICHLOROBENZENE □</b>	<b>Y</b>
<b>1,2-DICHLOROBENZENE □</b>	<b>Y</b>
BIS (2-CHLOROISOPROPYL) ETHER	
<b>HEXACHLOROETHANE □</b>	<b>Y</b>
N-NITROSO-DI-N-PROPYLAMINE	
<b>NITROBENZENE □</b>	<b>Y</b>
ISOPHORONE	
BIS (2-CHLOROETHOXY) METHANE	
1,2,4-TRICHLOROBENZENE	
NAPHTHALENE	
<b>HEXACHLOROBUTADIENE □</b>	<b>Y</b>
<b>HEXACHLOROCYCLOPENTADIENE □</b>	<b>Y</b>
2-CHLORONAPHTHALENE	
ACENAPHTYLENE	
DIMEHTYL PHTHALATE	
2,6-DINITROTOLUENE	
ACENAPHTHENE	
2,4-DINITROTOLUENE	
FLUORENE	
4-CHLOROPHENYL PHENYL ETHER	
DIETHYL PHTHALATE	
N-NITROSODIPHENYLAMINE	
1,2-DIPHENYLHYDRAZINE	
4-BROMOPHENYL PHENYL ETHER	
<b>PHENANTHRENE Δ</b>	<b>Y</b>
<b>ANTHRACENE Δ</b>	<b>Y</b>
<b>DI-N-BUTYL PHTHALATE □</b>	<b>Y</b>
FLUORANTHENE	
PYRENE	

<b>ORGANICS IN WATER (µg/L) Δ = AQUATIC LIFE USE; □ = HUMAN HEALTH</b>	<b>* Priority</b>
<b>BENZIDINE</b> □	Y
N-BUTYL BENZYL PHTHALATE	
<b>CHRYSENE</b> □	Y
<b>BENZO(A)ANTHRACENE</b> □	Y
<b>3,3'-DICHLOROBENZIDINE</b> □	Y
<b>BIS(2-ETHYLHEXYL) PHTHALATE</b> □	Y
DI-N-OCTYL PHTHALATE	
BENZO(B)FLUORANTHENE	
BENZO(K)FLUORANTHENE	
<b>BENZO-A-PYRENE</b> □	Y
INDENO (1,2,3-CD) PYRENE	
1,2,5,6-DIBENZANTHRACENE	
BENZO(GHI)PERYLENE	
<b>CRESOL</b> □	Y
<b>HEXACHLOROPHENE</b> □	Y
<b>N-NITROSODIETHYL AMINE</b> □	Y
<b>N-NITROSODI-N-BUTYL AMINE</b> □	Y
<b>PYRIDINE</b> □	Y
<b>1,2,4,5-TETRACHLOROBENZENE</b> □	Y
<b>Volatile</b>	
CHLOROMETHANE	
BROMOMETHANE	
<b>VINYL CHLORIDE</b> □	Y
CHLOROETHANE	
<b>ACRYLONITRILE</b> □	Y
<b>CHLOROFORM</b> □	Y
METHYLENE CHLORIDE	
<b>1,1-DICHLOROETHYLENE</b> □	Y
1,1-DICHLOROETHANE	
TRANS-1,2-DICHLOROETHENE	
<b>1,2-DICHLOROETHANE</b> □	Y
<b>CARBON TETRACHLORIDE</b> □	Y
<b>BROMODICHLOROMETHANE</b> □	Y
<b>BENZENE</b> □	Y
<b>CHLORODIBROMOMETHANE</b> □	Y
<b>1,1,1-TRICHLOROETHANE</b> □	Y
<b>1,2-DICHLOROPROPANE</b> □	Y
<b>TRANS-1,3-DICHLOROPROPENE</b> □	Y
<b>CIS-1,3-DICHLOROPROPENE</b> □	Y
<b>1,1,2-TRICHLOROETHANE</b>	
2-CHLOROETHYL VINYL ETHER	
<b>TRICHLOROETHYLENE</b> □	Y
<b>BROMOFORM</b> □	Y
<b>TOLUENE</b> □	Y
<b>ETHYLBENZENE</b> □	Y
<b>1,1,2,2-TETRACHLOROETHANE</b>	Y

<b>ORGANICS IN WATER (µg/L) Δ = AQUATIC LIFE USE; □ = HUMAN HEALTH</b>	<b>* Priority</b>
<b>TETRACHLOROETHYLENE □</b>	Y
<b>CHLOROBENZENE □</b>	Y
XYLENE	
<b>BIS (CHLOROMETHYL) ETHER □</b>	Y
<b>1,2-DIBROMOETHANE □</b>	Y
<b>METHYL TERT-BUTYL ETHER (MTBE) □</b>	Y
<b>Pesticides</b>	
<b>DDT Δ □</b>	Y
<b>DDD □</b>	Y
<b>DDE □</b>	Y
<b>ALDRIN Δ □</b>	Y
<b>DIELDRIN Δ □</b>	Y
<b>ENDRIN Δ □</b>	Y
<b>CHLORDANE Δ □</b>	Y
<b>ALACHLOR □</b>	Y
<b>HEPTACHLOR Δ □</b>	Y
<b>HEPTACHLOR EPOXIDE □</b>	Y
<b>METHOXYCHLOR Δ □</b>	Y
<b>METOLACHLOR □</b>	Y
<b>LINDANE (GAMMA BHC) Δ □</b>	Y
<b>TOXAPHENE Δ □</b>	Y
<b>SIMAZINE □</b>	Y
<b>ATRAZINE □</b>	Y
CYANAZINE	
<b>HEXACHLOROBENZENE □</b>	Y
<b>ALPHA BENZENE HEXACHLORIDE (BHC) □</b>	Y
<b>BETA BENZENE HEXACHLORIDE (BHC) □</b>	Y
DELTA BENZENE HEXACHLORIDE (BHC)	
<b>DICOFOL (KELTHANE) Δ □</b>	Y
<b>MIREX Δ</b>	Y
<b>PENTACHLOROBENZENE □</b>	Y
<b>MALATHION Δ</b>	Y
<b>PARATHION Δ</b>	Y
DIAZINON Δ	
<b>2,4-D □</b>	Y
<b>2,4,5-TP □</b>	Y
<b>SILVEX □</b>	Y
<b>DIURON (KARMEX) Δ</b>	Y
<b>DURSBAN (CHLOROPYRIFOS) Δ</b>	Y
<b>ENDOSULFAN I (ALPHA) Δ</b>	Y
<b>ENDOSULFAN II (BETA) Δ</b>	Y
<b>ENDOSULFAN SULFATE Δ</b>	Y
<b>DEMETON Δ</b>	Y
<b>GUTHION Δ</b>	Y
<b>SEVIN (CARBARYL) Δ</b>	Y
PCB-1242	

<b>ORGANICS IN WATER (µg/L) Δ = AQUATIC LIFE USE; □ = HUMAN HEALTH</b>	<b>* Priority</b>
PCB-1254	
PCB-1221	
PCB-1232	
PCB-1248	
PCB-1260	
PCB-1016	
<b>TOTAL PCBs Δ □</b>	<b>Y</b>

<b>ORGANICS IN SEDIMENT (Φg/kg-dry weight)</b>	<b>* Priority</b>
<b>Semivolatile</b>	
<b>PHENOL(C6H5OH)-SINGLE COMPOUND</b>	<b>Y</b>
<b>2-CHLOROPHENOL</b>	<b>Y</b>
<b>2-NITROPHENOL</b>	<b>Y</b>
<b>2,4-DICHLOROPHENOL</b>	<b>Y</b>
<b>PARACHLOROMETA CRESOL</b>	<b>Y</b>
<b>2,4,5-TRICHLOROPHENOL</b>	<b>Y</b>
<b>2,4,6-TRICHLOROPHENOL</b>	<b>Y</b>
<b>2,4-DIMETHYLPHENOL</b>	<b>Y</b>
<b>2,4-DINITROPHENOL</b>	<b>Y</b>
<b>4-NITROPHENOL</b>	<b>Y</b>
<b>DNOC (4,6-DINITRO-ORTHO-CRESOL)</b>	<b>Y</b>
<b>PCP (PENTACHLOROPHENOL )</b>	<b>Y</b>
<b>N-NITROSODIMETHYLAMINE</b>	<b>Y</b>
<b>BIS (2-CHLOROETHYL) ETHER</b>	<b>Y</b>
<b>1,3-DICHLOROBENZENE</b>	<b>Y</b>
<b>1,4-DICHLOROBENZENE</b>	<b>Y</b>
<b>1,2-DICHLOROBENZENE</b>	<b>Y</b>
<b>BIS (2-CHLOROISOPROPYL) ETHER</b>	<b>Y</b>
<b>HEXACHLOROETHANE</b>	<b>Y</b>
<b>N-NITROSODI-N-PROPYLAMINE</b>	<b>Y</b>
<b>NITROBENZENE</b>	<b>Y</b>
<b>ISOPHORONE</b>	<b>Y</b>
<b>BIS (2-CHLOROETHOXY) METHANE</b>	<b>Y</b>
<b>1,2,4-TRICHLOROBENZENE</b>	<b>Y</b>
<b>NAPHTHALENE</b>	<b>Y</b>
<b>HEXACHLOROBUTADIENE</b>	<b>Y</b>
<b>HEXACHLOROCYCLOPENTADIENE</b>	<b>Y</b>
<b>2-CHLORONAPHTHALENE</b>	<b>Y</b>
<b>ACENAPHTYLENE</b>	<b>Y</b>
<b>DIMETHYL PHTHALATE</b>	<b>Y</b>
<b>2,6-DINITROTOLUENE</b>	<b>Y</b>
<b>ACENAPHTHENE</b>	<b>Y</b>
<b>2,4-DINITROTOLUENE</b>	<b>Y</b>
<b>FLUORENE</b>	<b>Y</b>

<b>ORGANICS IN SEDIMENT (µg/kg-dry weight)</b>	<b>* Priority</b>
4-CHLOROPHENYL PHENYL ETHER	Y
DIETHYL PHTHALATE	Y
N-NITROSODIPHENYLAMINE	Y
1,2-DIPHENYLHYDRAZINE	Y
4-BROMOPHENYL PHENYL ETHER	Y
PHENANTHRENE	Y
ANTHRACENE	Y
DI-N-BUTYL PHTHALATE	Y
FLUORANTHENE	Y
PYRENE	Y
BENZIDINE	Y
N-BUTYL BENZYL PHTHALATE	Y
CHRYSENE	Y
BENZO(A)ANTHRACENE	Y
3,3'-DICHLOROBENZIDINE	Y
BIS(2-ETHYLHEXYL) PHTHALATE	Y
DI-N-OCTYL PHTHALATE	Y
BENZO(B)FLUORANTHENE	Y
BENZO(K)FLUORANTHENE	Y
BENZO-A-PYRENE	Y
INDENO (1,2,3-CD) PYRENE	Y
DIBENZ (A,H) ANTHRACENE	Y
BENZO(GHI)PERYLENE	Y
CRESOL	Y
HEXACHLOROPHENE	Y
N-NITROSODIETHYLAMINE	Y
N-NITROSO-DI-N-BUTYLAMINE	Y
PYRIDINE	Y
1,2,4,5-TETRACHLOROBENZENE	Y
<b>Pesticides</b>	
DDT	Y
DDD	Y
DDE	Y
ALDRIN	Y
DIELDRIN	Y
ENDRIN	Y
CHLORDANE	Y
HEPTACHLOR	Y
HEPTACHLOR EPOXIDE	Y
METHOXYCHLOR	Y
LINDANE (GAMMA BHC)	Y
TOXAPHENE	Y
HEXACHLOROBENZENE	Y

<b>ORGANICS IN SEDIMENT (µg/kg-dry weight)</b>	<b>* Priority</b>
<b>ALPHA BENZENE HEXACHLORIDE (BHC)</b>	Y
<b>BETA BENZENE HEXACHLORIDE (BHC)</b>	Y
<b>DELTA BENZENE HEXACHLORIDE (BHC)</b>	Y
<b>DICOFOL (KELTHANE)</b>	Y
<b>MIREX</b>	Y
<b>PENTACHLOROBENZENE</b>	Y
<b>MALATHION</b>	Y
<b>PARATHION</b>	Y
<b>DIAZINON</b>	Y
<b>2,4-D</b>	Y
<b>2,4,5-T</b>	Y
<b>SILVEX</b>	Y
<b>DIURON (KARMEX)</b>	Y
<b>DURSBAN</b>	Y
<b>ENDOSULFAN I (ALPHA)</b>	Y
<b>ENDOSULFAN II (BETA)</b>	Y
<b>ENDOSULFAN SULFATE</b>	Y
<b>DEMETON</b>	Y
<b>GUTHION</b>	Y
<b>SEVIN</b>	Y
<b>PCB-1242</b>	Y
<b>PCB-1254</b>	Y
<b>PCB-1221</b>	Y
<b>PCB-1232</b>	Y
<b>PCB-1248</b>	Y
<b>PCB-1260</b>	Y
<b>PCB-1016</b>	Y
<b>TOTAL PCBS</b>	Y

<b>FISH TISSUE ANALYSIS (mg/kg-wet weight)</b>	<b>* Priority</b>
<b>Tissue</b>	
<b>FISH SPECIES, USE EPA STORET NUMERIC CODE</b>	Y
<b>ANATOMICAL PART, USE EPA STORET NUMERIC CODE</b>	Y
<b>NUMBER OF INDIVIDUALS IN COMPOSITE TISSUE SAMPLE</b>	Y
<b>NUMBER OF SPECIES IN COMPOSITE TISSUE SAMPLE</b>	Y
SAMPLE LENGTH IN INCHES	
SAMPLE WEIGHT IN POUNDS	
SEX (1-MALE, 2-FEMALE, 3-MIXED, 4-UNKNOWN)	
<b>Metals in Tissue</b>	
<b>ARSENIC</b>	Y
<b>CADMIUM</b>	Y
<b>CHROMIUM</b>	Y
<b>COPPER</b>	Y

<b>FISH TISSUE ANALYSIS (mg/kg-wet weight)</b>	<b>* Priority</b>
<b>LEAD</b>	<b>Y</b>
<b>MERCURY</b>	<b>Y</b>
<b>SELENIUM</b>	<b>Y</b>
<b>Semivolatile Organics in Tissue</b>	
PERCENT LIPIDS	
PHENOL	
2-CHLOROPHENOL	
2-NITROPHENOL	
2,4-DICHLOROPHENOL	
PARACHLOROMETA CRESOL	
2,4,5,-TRICHLOROPHENOL	
2,4,6-TRICHLOROPHENOL	
2,4-DIMETHYLPHENOL	
2,4-DINITROPHENOL	
4-NITROPHENOL	
DNOC (4,6-DINITRO-ORTHO-CRESOL)	
<b>PCP (PENTACHLOROPHENOL)</b>	<b>Y</b>
N-NITROSODIMETHYLAMINE	
BIS (2-CHLOROETHYL) ETHER	
1,3-DICHLOROBENZENE	
1,4-DICHLOROBENZENE	
1,2-DICHLOROBENZENE	
BIS (2-CHLOROISOPROPYL) ETHER	
<b>HEXACHLOROETHANE</b>	<b>Y</b>
N-NITROSODI-N-PROPYLAMINE	
<b>NITROBENZENE</b>	<b>Y</b>
ISOPHORONE	
BIS (2-CHLOROETHOXY) METHANE	
1,2,4-TRICHLOROBENZENE	
NAPHTHALENE	
<b>HEXACHLOROBUTADIENE</b>	<b>Y</b>
HEXACHLOROCYCLOPENTADIENE	
2-CHLORONAPHTHALENE	
ACENAPHTHYLENE	
DIMETHYL PHTHALATE	
2,6-DINITROTOLUENE	
ACENAPHTHENE	
2,4-DINITROTOLUENE	
FLUORENE	
4-CHLOROPHENYL PHENYL ETHER	
DIETHYL PHTHALATE	
N-NITROSODIPHENYLAMINE	
1,2-DIPHENYLHYDRAZINE	
4-BROMOPHENYL PHENYL ETHER	

<b>FISH TISSUE ANALYSIS (mg/kg-wet weight)</b>	<b>* Priority</b>
PHENANTHRENE	
ANTHRACENE	
DI-N-BUTYL PHTHALATE	
FLUORANTHENE	
PYRENE	
<b>BENZIDINE</b>	<b>Y</b>
<b>N-BUTYL BENZYL PHTHALATE</b>	<b>Y</b>
CHRYSENE	
<b>BENZO(A)ANTHRACENE</b>	<b>Y</b>
3,3'-DICHLOROBENZIDINE	
BIS(2-ETHYLHEXYL)PHTHALATE	
DI-N-OCTYL PHTHALATE	
BENZO(B)FLUORANTHENE	
BENZO(K)FLUORANTHENE	
<b>BENZO-A-PYRENE</b>	<b>Y</b>
INDENO(1,2,3-CD) PYRENE	
1,2,5,6-DIBENZANTHRACENE	
BENZO(GHI)PERYLENE	
<b>CRESOL</b>	<b>Y</b>
<b>HEXACHLOROPHENE</b>	<b>Y</b>
<b>N-NITROSODIETHYLAMINE</b>	<b>Y</b>
<b>N-NITROSO-DI-N-BUTYLAMINE</b>	<b>Y</b>
<b>PYRIDINE</b>	<b>Y</b>
<b>1,2,4,5-TETRACHLOROBENZENE</b>	<b>Y</b>
<b>Pesticides in Tissue</b>	
PERCENT LIPIDS	
<b>DDT</b>	<b>Y</b>
<b>DDD</b>	<b>Y</b>
<b>DDE</b>	<b>Y</b>
<b>ALDRIN</b>	<b>Y</b>
<b>DIELDRIN</b>	<b>Y</b>
ENDRIN	
<b>CHLORDANE</b>	<b>Y</b>
<b>HEPTACHLOR</b>	<b>Y</b>
<b>HEPTACHLOR EPOXIDE</b>	<b>Y</b>
METHOXYCHLOR	
<b>LINDANE (GAMMA BHC)</b>	<b>Y</b>
<b>TOXAPHENE</b>	<b>Y</b>
<b>HEXACHLOROBENZENE</b>	<b>Y</b>
<b>ALPHA BENZENE HEXACHLORIDE (BHC)</b>	<b>Y</b>
<b>BETA BENZENE HEXACHLORIDE (BHC)</b>	<b>Y</b>
DELTA BENZENE HEXACHLORIDE	
<b>DICOFOL (KELTHANE)</b>	<b>Y</b>



<b>FISH TISSUE ANALYSIS (mg/kg-wet weight)</b>	<b>* Priority</b>
<b>MIREX</b>	Y
<b>PENTACHLOROBENZENE</b>	Y
MALATHION	
PARATHION	
DIAZINON	
2,4-D	
2,4,5-T	
SILVEX (2,4,5-TP)	
DIURON (KARMEX)	
DURSBAN	
ENDOSULFAN	
ENDOSULFAN SULFATE	
DEMETON IN FISH TISSUE (SYSTOX)	
GUTHION	
SEVIN (CARBARYL)	
PCB-1242	
PCB-1254	
PCB-1221	
PCB-1232	
PCB-1248	
PCB-1260	
PCB-1016	
<b>TOTAL PCBS</b>	Y