

Sediment Chemistry

Sediment chemistry results (stations 1 to 11)

STATION/VARIABLE	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
Mercury (DW mg/kg)	0.0	0.2	0.0	0.1	0.0	0.0	0.2	0.1	0.0	0.1	0.1
Vanadium (DW mg/kg)	10.5	35.2	10.4	18.9	8.8	8.6	44.5	24.2	14.8	6.7	32.4
Titanium (DW mg/kg)	320.0	148.0	417.0	8.8	212.0	374.0	171.0	297.0	293.0	18.2	288.0
Iron (DW mg/kg)	4900.0	17200.0	4090.0	13500.0	4960.0	3700.0	18300.0	10900.0	7410.0	6360.0	14200.0
Magnesium (DW mg/kg)	4610.0	7950.0	4450.0	7410.0	4050.0	4120.0	8340.0	7510.0	6230.0	8220.0	8670.0
Aluminium (DW mg/kg)	3430.0	12200.0	3380.0	5070.0	3670.0	2280.0	14800.0	8890.0	5900.0	4550.0	14900.0
Arsenic (DW mg/kg)	0.5	9.0	0.4	4.3	<0.100	0.4	4.8	3.8	1.8	1.6	5.5
Cadmium (DW mg/kg)	0.2	0.1	0.1	0.7	0.1	0.1	0.8	0.4	0.2	0.6	0.6
Chromium (DW mg/kg)	6.2	26.8	5.8	15.9	6.8	5.2	30.7	18.9	11.2	8.0	24.4
Copper (DW mg/kg)	4.8	28.6	3.1	18.5	6.7	2.7	24.3	11.0	5.7	10.9	12.4
Lead (DW mg/kg)	12.6	58.7	5.9	39.1	10.8	4.5	57.4	26.9	15.5	34.3	38.4
Manganese (DW mg/kg)	98.7	223.0	101.0	170.0	93.9	92.2	224.0	188.0	144.0	193.0	207.0
Nickel (DW mg/kg)	1.8	16.4	1.6	11.9	2.9	1.7	19.4	9.2	4.7	10.3	11.7
Zinc (DW mg/kg)	27.6	88.8	15.8	72.1	22.5	14.3	86.9	50.2	31.8	60.9	63.7
Organic Carbon (g/kg)	3.5	29.0	1.5	26.0	6.0	<1.0	52.0	18.0	4.1	35.0	27.0
Tributyl Tin Cation (DW ug/kg)	<9.840	<15.6	<8.640	<13.9	15.4	<8.0	<15.8	<10.7	<8.00	<11.6	<8.8
Solids @ 105°C (%)	77.3	46.8	79.9	50.2	75.6	79.8	46.2	63.7	75.5	53.7	61.6
Dieldrin (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
Endosulphan Alpha (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
Endosulphan Beta (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
HCH Gamma (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
PCB Congener 028 (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
PCB Congener 052 (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
PCB Congener 101 (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
PCB Congener 118 (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<4.8	<4.4	<6.1	<5.4
PCB Congener 138 (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	14.8	<4.4	<6.1	<5.4
PCB Congener 153 (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	12.8	<4.4	<6.1	<5.4
PCB Congener 180 (DW ug/kg)	<4.5	<7.6	<4.3	<6.2	<4.5	<4.2	<7.5	<20.100	<4.4	<6.1	<5.4
Permethrin (WW ug/kg)	<9.0	<15.2	<8.3	<12.4	<9.0	<8.4	<15.0	<9.6	<8.8	<12.1	<10.8
Acenaphthene (DW ug/kg)	<11.2	<19.0	<10.7	<15.6	<11.3	<10.5	<18.6	<11.9	<11.0	<15.2	<13.4
Acenaphthylene (DW ug/kg)	<11.2	<19.0	<10.7	<15.6	<11.3	<10.5	<18.6	14.9	<11.0	<20.9	<16.5

Sediment chemistry results (stations 1 to 11)											
STATION/VARIABLE	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
Anthracene (DW ug/kg)	18.2	28.4	<10.7	<15.6	<11.3	<10.5	20.8	16.5	<11.0	27.2	15.1
Fluoranthene (DW ug/kg)	49.8	98.1	<10.7	60.1	<11.3	<10.5	79.5	50.2	13.9	101.6	59.7
Fluorene (DW ug/kg)	11.7	22.6	<10.7	<15.6	<11.3	<10.5	19.7	12.1	<11.0	15.7	<13.4
Naphthalene (DW ug/kg)	<11.2	<19.0	<10.7	<15.6	<11.3	<10.5	<18.6	<11.9	<11.0	<15.2	<13.4
Phenanthrene (DW ug/kg)	25.0	43.7	<10.7	16.1	<11.3	<10.5	47.3	19.8	<11.0	34.3	34.6
Pyrene (DW ug/kg)	37.8	84.9	<10.7	57.0	<11.3	<10.5	67.3	48.2	<14.3	90.4	58.8
Benz-[A]-Anthracene (DW ug/kg)	20.8	49.8	<10.7	32.5	<11.3	<10.5	40.4	24.4	<11.0	53.9	35.8
Benzo (B) Fluoranthene (DW ug/kg)	<11.2	58.0	<10.7	40.3	<11.3	<10.5	52.0	25.7	<11.0	55.3	46.6
Benzo (K) Fluoranthene (ug/kg)	<11.2	31.7	<10.7	23.6	<11.3	<10.5	31.8	15.3	<11.0	33.4	27.2
Benzo-[A]-Pyrene (DW ug/kg)	15.6	58.6	<10.7	39.5	<11.3	<10.5	50.3	30.3	<11.0	65.2	54.4
Benzo-[E]-Pyrene (DW ug/kg)	<11.2	49.0	<10.7	31.9	<11.3	<10.5	40.9	21.3	<11.0	46.1	38.9
Benzo-[Ghi]-Perylene (DW ug/kg)	<11.2	46.7	<10.7	30.8	<11.3	<10.5	40.1	20.0	<11.0	43.1	38.1
Chrysene (DW ug/kg)	18.8	49.6	<10.7	31.4	<11.3	<10.5	40.4	22.5	<11.0	54.8	36.2
Indeno-[1,2,3-CD]-Pyrene (DW ug/kg)	<11.2	59.0	<10.7	40.6	<11.3	<10.5	52.3	26.3	<11.0	57.6	50.2
Perylene (DW ug/kg)	<11.2	36.7	<10.7	<22.3	<11.3	<10.5	<32.2	<11.9	<11.0	30.3	<20.1

Sediment chemistry results (stations 12 to 22)											
STATION/VARIABLE	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
Mercury (DW mg/kg)	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1
Vanadium (DW mg/kg)	18.0	19.9	19.6	17.9	11.1	11.9	12.3	16.2	30.7	12.6	22.7
Titanium (DW mg/kg)	256.0	241.0	257.0	172.0	272.0	244.0	276.0	202.0	119.0	198.0	184.0
Iron (DW mg/kg)	8840.0	9180.0	9700.0	9190.0	5710.0	6850.0	5760.0	8500.0	10700.0	4370.0	10900.0
Magnesium (DW mg/kg)	7480.0	9280.0	9520.0	8840.0	5340.0	6230.0	5700.0	9440.0	9270.0	5550.0	7790.0
Aluminium (DW mg/kg)	7320.0	8530.0	8140.0	6800.0	4140.0	5040.0	4050.0	6980.0	11900.0	3220.0	8010.0
Arsenic (DW mg/kg)	1.6	2.6	3.0	2.6	0.5	1.3	1.1	2.0	5.4	0.4	2.9
Cadmium (DW mg/kg)	0.2	0.3	0.3	0.2	0.2	0.2	0.4	0.6	0.5	0.1	0.2
Chromium (DW mg/kg)	13.2	15.2	15.0	14.0	7.4	9.8	8.6	13.1	21.2	7.1	18.7
Copper (DW mg/kg)	6.7	6.4	5.9	6.4	4.8	3.6	7.8	8.4	9.3	2.6	7.0

Sediment chemistry results (stations 12 to 22)

STATION/VARIABLE	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
Lead (DW mg/kg)	18.8	20.6	20.7	19.3	10.2	12.3	28.1	35.4	33.9	6.6	19.7
Manganese (DW mg/kg)	168.0	178.0	186.0	158.0	111.0	142.0	125.0	171.0	156.0	120.0	178.0
Nickel (DW mg/kg)	6.2	7.3	7.5	7.1	3.6	4.0	3.9	6.3	9.4	2.9	10.4
Zinc (DW mg/kg)	31.5	34.0	35.8	34.0	24.3	26.9	48.3	70.8	44.3	10.5	37.3
Organic Carbon (g/kg)	12.0	8.2	14.0	13.0	5.9	3.6	18.0	18.0	24.0	3.5	17.0
Tributyl Tin Cation (DW ug/kg)	<22.4	<12.6	<11.0	<11.8	<10.7	<10.4	>12.2	<19.8	<19.2	<12.5	<14.7
Solids @ 105°C (%)	74.3	73.6	74.7	74.3	77.5	76.5	75.9	66.3	62.9	80.0	68.5
Dieldrin (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	4.8
Endosulphan Alpha (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
Endosulphan Beta (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
HCH Gamma (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
PCB Congener 028 (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
PCB Congener 052 (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
PCB Congener 101 (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
PCB Congener 118 (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
PCB Congener 138 (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
PCB Congener 153 (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
PCB Congener 180 (DW ug/kg)	<4.8	<4.5	<4.6	<4.6	<4.3	<4.5	<4.6	<4.9	<5.2	<4.3	<4.8
Permethrin (WW ug/kg)	<9.6	<9.0	<9.2	<9.2	<8.6	<9.0	9.2	<9.8	<10.4	<8.6	<9.6
Acenaphthene (DW ug/kg)	<12.0	<11.3	<11.4	<11.5	<10.8	<11.2	13.9	12.7	<12.9	<10.6	<12.0
Acenaphthylene (DW ug/kg)	47.2	59.3	<11.4	<11.5	12.1	<11.2	13.2	85.5	<12.9	<10.6	<12.0
Anthracene (DW ug/kg)	31.4	27.6	<11.4	<11.5	51.1	<11.2	38.8	66.2	<12.9	<10.6	<12.0
Fluoranthene (DW ug/kg)	119.7	87.0	21.4	37.5	47.2	<11.2	257.8	279.9	33.6	<10.6	29.7
Fluorene (DW ug/kg)	18.9	18.8	12.0	<11.5	21.7	<11.2	23.7	33.2	<12.9	<10.6	12.0
Naphthalene (DW ug/kg)	<12.0	<11.3	<11.4	<11.5	<10.8	<11.2	<11.4	<12.2	<12.9	<10.6	<12.0
Phenanthrene (DW ug/kg)	67.6	23.5	<11.4	<11.5	16.7	<11.2	133.5	105.2	<12.9	<10.6	<12.0
Pyrene (DW ug/kg)	100.3	74.2	19.2	35.1	32.6	12.8	218.9	253.1	29.0	<10.6	25.2
Benz-[A]-Anthracene (DW ug/kg)	53.2	49.5	<11.4	18.8	<10.8	<11.2	137.2	158.9	17.5	<10.6	14.0
Benzo (B) Fluoranthene (DW ug/kg)	42.5	42.6	12.7	22.4	<10.8	<11.2	137.1	143.5	23.2	<10.6	17.8
Benzo (K) Fluoranthene (ug/kg)	26.5	27.6	<11.4	15.3	<10.8	<11.2	81.1	107.2	13.2	<10.6	<12.0

Sediment chemistry results (stations 12 to 22)

STATION/VARIABLE	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
Benzo-[A]-Pyrene (DW ug/kg)	57.4	55.9	12.3	25.0	<10.8	<11.2	164.2	212.2	20.6	<10.6	16.7
Benzo-[E]-Pyrene (DW ug/kg)	35.9	36.1	<11.4	18.5	<10.8	<11.2	116.3	131.1	17.6	<10.6	14.0
Benzo-[Ghi]-Perylene (DW ug/kg)	30.3	29.4	<11.4	17.1	<10.8	<11.2	101.2	117.3	17.0	<10.6	12.9
Chrysene (DW ug/kg)	45.9	46.4	<11.4	18.5	<10.8	<11.2	135.7	145.4	15.9	<10.6	15.8
Indeno-[1,2,3-CD]-Pyrene (DW ug/kg)	41.2	40.4	12.8	22.2	<10.8	<11.2	116.8	154.5	23.9	<10.6	17.0
Perylene (DW ug/kg)	15.4	14.7	<11.4	<11.5	<10.8	<11.2	58.2	60.4	<12.900	<10.6	<12.0

