

## Library Reference 7.4

**Concentration summary of other parameters, Onondaga Lake South Deep, 2009.**

Parameter (Units)	Sample Date Range 2009	Sample Depth Range (m)	N Samples	Concentration Results		
				Range	Average	Std Error
BOD5 (mg/L)	03/24 - 12/01	0 - 0	38	2 - 5	2.2	0.10
Alkalinity (mg/L)	03/24 - 12/01	0 - 18	42	140 - 210	175	2.05
Hardness (mg/L)	03/24 - 12/01	0 - 0	38	388 - 468	436	3.45
pH (Std Units)	03/24 - 12/01	0 - 18	138	7.21 - 8.33	7.7	0.02
Temperature (°C)	03/24 - 12/01	0 - 18	165	2.6 - 27.11	14	0.43
Total organic carbon (mg/L)	03/24 - 12/01	0 - 18	77	2.58 - 3.8	3.1	0.04
Total organic carbon, filtered (mg/L)	03/24 - 12/01	0 - 18	77	2.49 - 3.56	2.9	0.03
Total inorganic carbon (mg/L)	03/24 - 12/01	0 - 18	77	36.7 - 59.1	47	0.51
Total Kjeldahl nitrogen (mg/L)	03/24 - 12/01	0 - 18	135	0.352 - 2.08	0.64	0.018
Organic nitrogen (mg/L)	03/24 - 12/01	0 - 18	133	0.05 - 0.707	0.41	0.008
Ammonia as N (mg/L)	03/24 - 12/01	0 - 18	136	0.015 - 1.832	0.23	0.020
Nitrite as N (mg/L)	03/24 - 12/01	0 - 0	40	0.01 - 0.279	0.041	0.0067
Nitrate as N (mg/L)	03/24 - 12/01	0 - 0	40	0.352 - 2.35	1.9	0.06
Total phosphorus (mg/L)	03/24 - 12/01	0 - 18	145	0.009 - 0.667	0.041	0.0056
Soluble reactive phosphorus (mg/L)	03/24 - 12/01	0 - 18	136	0.001 - 0.286	0.017	0.0037
Total dissolved phosphorus (mg/L)	03/24 - 12/01	0 - 18	136	0.003 - 0.584	0.026	0.0052
Silica (mg/L)	03/24 - 12/01	0 - 18	81	0.5 - 8.22	3.2	0.16
Calcium (mg/L)	03/24 - 12/01	0 - 0	38	120 - 148	136	1.17
Sodium (mg/L)	03/24 - 12/01	0 - 0	38	193 - 270	239	3.04
Sulfate (mg/L)	03/24 - 12/01	0 - 0	38	113 - 168	137	2.43
Chloride (mg/L)	03/24 - 12/01	0 - 0	40	384 - 506	432	4.41
Salinity (ppt)	03/24 - 12/01	0 - 18	138	0.84 - 1.14	1.00	0.005
Conductivity (umHos/cm)	03/24 - 12/01	0 - 18	138	1658 - 2239	1948	8.63
Total solids (mg/L)	03/24 - 12/01	0 - 18	77	1076 - 1426	1250	9.19
Total suspended solids (mg/L)	03/24 - 12/01	0 - 18	77	2 - 8	2.9	0.14
Total dissolved solids (mg/L)	03/24 - 12/01	0 - 18	81	1004 - 1306	1159	8.02
Total volatile solids (mg/L)	03/24 - 07/14	0 - 18	36	112 - 260	183	6.99
Volatile suspended solids (mg/L)	03/24 - 07/14	0 - 18	36	2 - 4	2.4	0.14
Turbidity (NTU)	03/24 - 12/01	0 - 0	64	0.73 - 12.2	2.6	0.21
Phaeophytin-a (mg/m3)	03/24 - 12/01	0 - 0	35	0.2 - 3.68	0.73	0.129
Arsenic (mg/L)	04/09 - 11/17	0 - 0	8	0.002 - 0.002	0.0020	0
Cadmium (mg/L)	04/09 - 11/17	0 - 0	8	0.0008 - 0.0008	0.0008	6.7E-12
Chromium (mg/L)	04/09 - 11/17	0 - 0	8	0.002 - 0.002	0.0020	0
Copper (mg/L)	04/09 - 11/17	0 - 0	8	0.0025 - 0.0031	0.0026	0.000091
Iron (mg/L)	03/24 - 12/01	0 - 0	38	0.04 - 0.32	0.11	0.009
Lead (mg/L)	04/09 - 11/17	0 - 0	8	0.002 - 0.002	0.0020	0
Magnesium (mg/L)	03/24 - 12/01	0 - 0	38	21.4 - 25.4	23	0.15
Manganese (mg/L)	03/24 - 12/01	0 - 0	38	0.02 - 1	0.13	0.038
Mercury, methyl (ng/l)	04/21 - 10/08	3 - 18	4	0.05 - 0.491	0.24	0.104
Mercury, total (ng/l)	04/21 - 10/08	3 - 18	6	2.31 - 12.6	5.2	1.63
Nickle (mg/L)	04/09 - 11/17	0 - 0	8	0.0038 - 0.0038	0.0038	1.6E-11
Potassium (mg/L)	04/09 - 11/17	0 - 0	8	3.88 - 4.6	4.2	0.10
Selenium (mg/L)	04/09 - 11/17	0 - 0	8	0.002 - 0.002	0.0020	0
Zinc (mg/L)	04/09 - 11/17	0 - 0	8	0.005 - 0.0091	0.0069	0.00059