

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS LAKE SITES

SOUTH-CENTRAL ALASKA

613736149250000 -- MEMORY LAKE NEAR WASILLA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Depth to bot. from surface at samp locatn, meters (82903)	Sam-pling depth, meters (00098)	Specif. conduc-tance, wat unfltrd 25 degC uS/cm (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, water, deg C (00010)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)
AUG									
11...	1712	6.00	1.0	77	8.0	21.3	759	9.0	102
11...	1714	6.00	2.0	77	7.9	21.0	759	9.2	104
11...	1716	6.00	3.0	76	8.0	19.8	759	9.4	103
11...	1718	6.00	4.0	76	7.7	18.8	759	8.7	94
11...	1720	6.00	5.0	76	7.3	18.2	759	7.0	75
11...	1722	6.00	5.5	86	6.7	17.8	759	3.7	39
11...	1724	6.00	6.0	112	6.7	17.3	759	1.0	10
SEP									
15...	1530	6.30	1.0	74	7.3	13.4	748	8.7	85
15...	1532	6.30	1.0	74	7.3	13.4	748	8.6	84
15...	1534	6.30	1.5	74	7.3	13.4	748	8.6	84
15...	1536	6.30	2.0	74	7.3	13.4	748	8.6	84
15...	1538	6.30	2.5	74	7.3	13.4	748	8.6	84
15...	1540	6.30	3.0	74	7.3	13.4	748	8.6	84
15...	1542	6.30	4.0	74	7.3	13.4	748	8.6	84
15...	1544	6.30	5.0	74	7.4	13.4	748	8.6	84
15...	1546	6.30	6.0	74	7.4	13.4	748	8.6	84
15...	1548	6.30	6.1	74	7.3	13.4	748	8.4	82

Date	Time	Medium code	Sample type	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Type of blank solution, code (99100)	Type of blank sample, code (99102)	Sam-pling depth, meters (00098)	Depth to top of samplng interval meters (82047)	Depth to bottom of samplng interval meters (82048)	Depth to bot. from surface at samp locatn, meters (82903)	Specif. conduc-tance, wat unfltrd 25 degC (00095)	pH, water, unfltrd field, std units (00400)
AUG													
11...	1740	9	9	100	10	80.00	100.00	--	1.0	3.0	6.00	76	7.9
11...	1750	9	9	100	--	--	--	5.0	--	--	6.00	--	--
SEP													
15...	1610	9	9	100	--	--	--	3.0	--	--	6.30	73	7.5

Date	Temperature, air, deg C (00020)	Trans-parency Secchi disc, meters (00078)	Trans-parency water unfltrd secchi disc feet (49701)	Baro-metric pres-sure, mm Hg (00025)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas-sium, water, fltrd, mg/L (00935)	Bicar-bonate, wat flt inc tit, mg/L (00453)	Alka-linity, wat flt inc tit, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chlor-ide, water, fltrd, mg/L (00940)
AUG													
11...	22.5	5.94	19.0	759	31	8.48	2.48	2.16	.92	38	32	E.1	2.86
11...	22.5	5.94	19.0	759	--	--	--	--	--	--	--	--	--
SEP													
15...	10.5	4.69	15.4	--	--	--	--	--	--	--	--	--	--

Date	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC, wat flt mg/L (70300)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	Total nitro-gen, wat unfltrd by anal ysis, mg/L (62855)	Ammonia water, fltrd, mg/L as N (00608)	Phos-phorus, water, unfltrd, mg/L (00665)	Phos-phorus, water, fltrd, mg/L (00666)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)
AUG													
11...	<.1	.34	56	E.001	<.016	.73	.32	E.006	<.004	.005	<.006	19	.6
11...	--	--	--	E.001	<.016	.70	.32	E.006	<.004	.006	<.006	--	--
SEP													
15...	--	--	--	E.001	E.012	.83	.66	.095	.010	E.002	<.006	--	--

Date	Deu-terium/Protium ratio, water, unfltrd, per mil (82082)	O-18 / O-16 ratio, water, unfltrd, per mil (82085)	Organic carbon, water, fltrd, mg/L (00681)
AUG			
11...	-91.10	-8.36	7.3
11...	-91.60	-8.41	7.0
SEP			
15...	-92.40	-8.57	9.2