



**2007 North American Proficiency Testing Program
4th Quarter Report - November 21, 2007**

Laboratory ID

Water Analysis	Units	n	Water 2007-310			Water 2007-311			Water 2007-312		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
pH		41	8.02	0.180		8.21	0.150		7.43	0.235	
EC	dS/m	37	1.94	0.080		1.86	0.060		0.17	0.006	
Cations											
Ca	mmol/L	34	2.50	0.141		1.06	0.060		0.550	0.033	
Mg	mmol/L	35	1.72	0.097		0.67	0.050		0.420	0.020	
Na	mmol/L	33	14.8	0.68		16.0	0.84		0.500	0.030	
K	mmol/L	32	0.09	0.014		0.47	0.039		0.080	0.008	
NH4-N	mmol/L	16	0.000	0.000		0.000	0.000		0.000	0.000	
Sum Cations	mmol/L	17	18.8	0.93		18.3	0.86		1.60	0.095	
SAR		18	9.89	0.300		16.8	0.71		0.745	0.080	
Adj-SAR		8	19.4	0.69		30.2	1.22		0.550	0.160	
Anions											
HCO3	mmol/L	24	5.54	0.221		8.37	0.400		0.471	0.085	
CO3	mmol/L	19	0.000	0.000		0.200	0.200		0.000	0.000	
Cl	mmol/L	29	9.81	0.510		9.10	0.571		0.400	0.020	
NO3	mmol/L	41	0.626	0.124		0.040	0.030		0.000	0.000	
SO4	mmol/L	25	3.27	0.200		0.250	0.040		0.680	0.050	
Sum Anions	mmol/L	18	19.3	0.60		18.2	0.52		1.57	0.110	
Cation-Anion Difference		56	0.00	0.000		0.00	0.000		0.00	0.000	
Boron	mg/L	26	0.980	0.071		0.631	0.050		0.021	0.006	
PO4-P Phosphorus - Spec	mg/L	12	0.018	0.009		0.017	0.009		0.020	0.010	
Phosphorus - ICP (Total)	mg/L	21	0.050	0.046		0.039	0.029		0.037	0.023	
TKN	mg/L	7	1.48	1.309		0.750	0.432		0.300	0.299	
Nitrogen Combustion (Total)	mg/L	4	9.93	0.517		0.860	0.095		0.419	0.084	
Total Organic Carbon	mg/L	4	1.37	0.645		0.819	0.240		4.48	0.610	

1 - Values flagged exceed Warning Limits " * " 2.5 x MAD (Median Absolute Deviation) and Control Limits " *** " 4 x MAD. " < " and "ND" values not recorded.

2 - Limits not compared to lab data for methods with < 7 labs reporting.