



2007 North American Proficiency Testing Program 2nd Quarter Report - July 10, 2007

Laboratory ID

Water	Water 2007-304					Water 2007-305			Water 2007-306		
Analysis	Units	<i>n</i>	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
pH		41	7.86	0.190		7.85	0.150		8.58	0.100	
EC	dS/m	38	0.64	0.020		0.48	0.019		3.86	0.154	
Cations											
Ca	mmolc/L	34	3.12	0.154		2.60	0.128		6.71	0.268	
Mg	mmolc/L	35	3.17	0.180		1.60	0.079		1.32	0.080	
Na	mmolc/L	34	0.669	0.031		0.954	0.041		29.5	1.420	
K	mmolc/L	32	0.140	0.010		0.120	0.010		0.517	0.049	
NH4-N	mmolc/L	14	0.001	0.001		0.027	0.019		0.001	0.001	
Sum Cations	mmolc/L	19	7.07	0.230		5.30	0.180		38.3	1.206	
SAR		20	0.38	0.018		0.64	0.035		14.0	0.680	
Adj-SAR		9	0.84	0.080		1.28	0.160		24.6	4.000	
Anions											
HCO3	mmolc/L	22	5.64	0.244		4.49	0.238		1.79	0.314	
CO3	mmolc/L	14	0.00	0.000		0.00	0.000		0.200	0.170	
Cl	mmolc/L	28	0.520	0.036		0.370	0.020		27.2	1.060	
NO3	mmolc/L	40	0.098	0.012		0.018	0.018		1.02	0.070	
SO4	mmolc/L	27	0.602	0.046		0.140	0.026		7.74	0.449	
Sum Anions	mmolc/L	18	6.92	0.250		5.10	0.255		37.3	2.330	
Cation-Anion Difference		58	0.00	0.000		0.00	0.000		0.00	0.000	
Boron	mg/L	23	0.043	0.009		0.055	0.005		1.39	0.070	
PO4-P Phosphorus - Spec	mg/L	15	0.057	0.020		0.046	0.015		0.590	0.040	
Phosphorus - ICP (Total)	mg/L	15	0.053	0.053		0.051	0.051		0.611	0.099	
TKN	mg/L	6	0.350	0.180		0.430	0.212		7.60	7.000	
Nitrogen Combustion (Total)	mg/L	1	1.54	0.000		0.750	0.000		14.2	0.000	
Total Organic Carbon	mg/L	3	1.00	0.548		0.654	0.240		2.00	0.700	

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.