



**2006 North American Proficiency Testing Program
3rd Quarter Report - November 15, 2006**

Laboratory ID

Water Analysis	Units	n	Water 2006-307			Water 2006-308			Water 2006-309		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
pH		47	8.22	0.142		8.48	0.100		8.27	0.110	
EC	dS/m	45	0.367	0.020		0.688	0.027		0.851	0.030	
Cations											
Ca	mmolc/L	43	1.972	0.135		1.455	0.065		2.805	0.165	
Mg	mmolc/L	43	2.190	0.139		4.300	0.289		3.540	0.190	
Na	mmolc/L	41	0.060	0.010		1.800	0.075		2.740	0.116	
K	mmolc/L	39	0.010	0.010		0.128	0.011		0.260	0.020	
NH4-N	mmolc/L	20	0.000	0.000		0.000	0.000		0.000	0.000	
Sum Cations	mmolc/L	24	4.212	0.185		7.670	0.390		9.321	0.479	
SAR		24	0.040	0.020		1.071	0.040		1.527	0.064	
Adj-SAR		10	0.090	0.045		2.330	0.250		3.370	0.430	
Anions											
HCO3	mmolc/L	29	3.850	0.272		4.30	0.405		5.380	0.380	
CO3	mmolc/L	18	0.050	0.050		0.270	0.270		0.095	0.095	
Cl	mmolc/L	35	0.039	0.019		1.305	0.100		2.184	0.140	
NO3	mmolc/L	43	0.002	0.002		0.000	0.000		0.039	0.009	
SO4	mmolc/L	34	0.044	0.017		1.530	0.107		1.330	0.080	
Sum Anions	mmolc/L	22	4.025	0.193		7.46	0.324		8.985	0.420	
Cation-Anion Difference		67	0.000	0.000		0.000	0.000		0.000	0.000	
Boron	mg/L	27	0.010	0.010		0.080	0.011		0.124	0.014	
PO4-P Phosphorus - Spec	mg/L	13	0.004	0.004		0.005	0.005		0.025	0.015	
Phosphorus - ICP (Total)	mg/L	18	0.010	0.010		0.010	0.010		0.029	0.026	
TKN	mg/L	6	0.140	0.140		0.400	0.060		0.500	0.050	
Nitrogen Combustion (Total)	mg/L	2	0.077	0.067		0.166	0.156		0.463	0.453	
Total Organic Carbon	mg/L	8	2.362	0.840		3.960	1.350		4.015	1.495	

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.