



**2007 North American Proficiency Testing Program
3rd Quarter Report - September 1, 2007**

Laboratory ID

Water Analysis	Units	n	Water 2007-307			Water 2007-308			Water 2007-309		
			Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}
pH		33	7.62	0.190		8.17	0.140		8.24	0.100	
EC	dS/m	32	0.86	0.037		0.39	0.015		0.42	0.017	
Cations											
Ca	mmolc/L	30	5.33	0.278		2.41	0.120		2.69	0.107	
Mg	mmolc/L	31	2.80	0.110		1.73	0.069		1.83	0.100	
Na	mmolc/L	30	1.77	0.070		0.271	0.015		0.220	0.010	
K	mmolc/L	28	0.130	0.010		0.030	0.002		0.020	0.003	
NH4-N	mmolc/L	14	0.001	0.001		0.000	0.000		0.001	0.001	
Sum Cations	mmolc/L	15	10.00	0.420		4.50	0.180		4.77	0.090	
SAR		17	0.88	0.035		0.200	0.010		0.140	0.010	
Adj-SAR		9	2.26	0.090		0.400	0.020		0.300	0.015	
Anions											
HCO3	mmolc/L	22	9.41	0.395		3.85	0.154		3.88	0.188	
CO3	mmolc/L	13	0.00	0.000		0.060	0.060		0.075	0.075	
Cl	mmolc/L	26	0.300	0.017		0.180	0.017		0.146	0.015	
NO3	mmolc/L	34	0.070	0.040		0.020	0.010		0.004	0.004	
SO4	mmolc/L	25	0.030	0.028		0.190	0.030		0.520	0.070	
Sum Anions	mmolc/L	15	9.92	0.396		4.31	0.340		4.61	0.184	
Cation-Anion Difference		57	0.00	0.000		0.00	0.000		0.00	0.000	
Boron	mg/L	19	0.030	0.020		0.020	0.010		0.010	0.010	
PO4-P Phosphorus - Spec	mg/L	13	0.093	0.020		0.012	0.006		0.010	0.007	
Phosphorus - ICP (Total)	mg/L	20	0.118	0.033		0.020	0.010		0.020	0.017	
TKN	mg/L	5	1.30	0.496		0.216	0.100		0.165	0.100	
Nitrogen Combustion (Total)	mg/L	1	1.83	0.000		0.448	0.000		0.189	0.000	
Total Organic Carbon	mg/L	4	9.87	1.505		0.756	0.030		1.05	0.207	

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.