2007 North American Proficiency Testing Program
1st Quarter Report - May 14, 2007

Laboratory ID

Water			Water 2007-301			Water 2007-302			Water 2007-303		
Analysis	**Units**	***n***	**Median**	***MAD***	**Lab[1,2]**	**Median**	***MAD***	**Lab[1,2]**	**Median**	***MAD***	**Lab[1,2]**
pH		44	**8.10**	*0.142*		**8.14**	*0.105*		**4.40**	*0.075*	
EC	dS/m	40	**1.02**	*0.028*		**0.29**	*0.016*		**0.36**	*0.020*	
Cations											
Ca	mmolc/L	37	**4.20**	*0.195*		**1.49**	*0.095*		**2.47**	*0.170*	
Mg	mmolc/L	39	**2.20**	*0.103*		**1.02**	*0.054*		**1.46**	*0.080*	
Na	mmolc/L	38	**4.12**	*0.182*		**0.550**	*0.030*		**0.079**	*0.011*	
K	mmolc/L	35	**0.100**	*0.010*		**0.046**	*0.006*		**0.010**	*0.006*	
NH4-N	mmolc/L	20	**0.002**	*0.002*		**0.001**	*0.001*		**0.001**	*0.001*	
Sum Cations	mmolc/L	21	**10.6**	*0.23*		**3.13**	*0.140*		**4.06**	*0.234*	
SAR		22	**2.30**	*0.075*		**0.485**	*0.030*		**0.050**	*0.010*	
Adj-SAR		10	**4.46**	*0.385*		**0.725**	*0.060*		**0.053**	*0.053*	
Anions											
HCO3	mmolc/L	25	**2.95**	*0.200*		**2.04**	*0.093*		**0.00**	*0.000*	
CO3	mmolc/L	17	**0.00**	*0.000*		**0.00**	*0.000*		**0.00**	*0.000*	
Cl	mmolc/L	33	**2.90**	*0.110*		**0.267**	*0.017*		**0.064**	*0.026*	
NO3	mmolc/L	41	**0.032**	*0.008*		**0.018**	*0.003*		**0.012**	*0.004*	
SO4	mmolc/L	29	**4.54**	*0.168*		**0.670**	*0.040*		**0.180**	*0.020*	
Sum Anions	mmolc/L	19	**10.3**	*0.26*		**3.00**	*0.140*		**0.270**	*0.087*	
Cation-Anion Difference		58	**0.00**	*0.000*		**0.00**	*0.000*		**0.00**	*0.000*	
Boron	mg/L	26	**0.064**	*0.014*		**0.022**	*0.012*		**0.020**	*0.015*	
PO4-P Phosphorus - Spec	mg/L	14	**0.010**	*0.009*		**0.007**	*0.007*		**0.010**	*0.008*	
Phosphorus - ICP (Total)	mg/L	20	**0.022**	*0.022*		**0.018**	*0.014*		**0.026**	*0.018*	
TKN	mg/L	4	**0.527**	*0.113*		**0.260**	*0.240*		**0.020**	*0.020*	
Nitrogen Combustion (Total)	mg/L	2	**0.695**	*0.015*		**0.329**	*0.011*		**0.272**	*0.000*	
Total Organic Carbon	mg/L	6	**2.35**	*0.371*		**0.313**	*0.081*		**264**	*9.7*	

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.