



2017 North American Proficiency Testing Program
3rd Quarter Report - October 11, 2017

Laboratory ID
general

Water		Water 2017-307				Water 2017-308				Water 2017-309			
Analysis	Units	n	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}	Median	MAD	Lab ^{1,2}		
pH		28	8.00	0.100		8.22	0.120		7.96	0.085			
EC	dS/m	26	0.598	0.018		0.399	0.012		0.788	0.031			
Cations													
Ca	mmolc/L	26	3.82	0.176		2.55	0.090		4.61	0.170			
Mg	mmolc/L	26	2.58	0.115		1.76	0.091		4.21	0.210			
Na	mmolc/L	27	0.244	0.014		0.230	0.010		0.350	0.010			
K	mmolc/L	25	0.013	0.002		0.020	0.003		0.014	0.002			
NH4-N	mmolc/L	7	0.001	0.001		0.007	0.001		0.000	0.000			
Sum Cations	mmolc/L	11	6.83	0.326		4.63	0.161		9.38	0.405			
SAR		14	0.140	0.009		0.150	0.010		0.170	0.010			
Adj-SAR		4	0.300	0.005		0.300	0.010		0.400	0.005			
Anions													
HCO3	mmolc/L	21	5.12	0.155		3.70	0.230		6.77	0.180			
CO3	mmolc/L	11	0.000	0.000		0.490	0.109		0.000	0.000			
Cl	mmolc/L	25	0.390	0.028		0.177	0.023		0.764	0.054			
NO3	mmolc/L	26	0.699	0.057		0.010	0.002		0.720	0.070			
SO4	mmolc/L	22	0.301	0.022		0.410	0.030		0.531	0.051			
Sum Anions	mmolc/L	11	6.62	0.237		4.42	0.223		8.92	0.290			
Cation-Anion Difference		7	0.250	0.250		0.452	0.238		0.487	0.377			
Other													
Boron	mg/L	14	0.018	0.002		0.012	0.001		0.023	0.006			
PO4-P Phosphorus - Spec	mg/L	6	0.044	0.008		0.020	0.015		0.042	0.008			
Phosphorus - ICP (Total)	mg/L	11	0.050	0.008		0.021	0.002		0.030	0.004			
TKN	mg/L	5	0.200	0.106		0.154	0.093		0.338	0.138			
Nitrogen Combustion (Total)	mg/L												
Total Organic Carbon	mg/L	2	1.08	0.165		0.788	0.028		1.49	0.046			