



2022 North American Proficiency Testing Program  
Quarter 2 Water Report - 7/21/2022

Laboratory ID  
General

Water	Water 2022-304				Water 2022-305			Water 2022-306			
Analysis	Units	n	Median	MAD	Lab Result	Median	MAD	Lab Result	Median	MAD	Lab Result
<b>pH &amp; EC</b>											
pH	---	28	8.16	0.17		8.20	0.100		8.14	0.077	
EC	dS/m	23	0.53	0.008		0.50	0.003		0.37	0.006	
<b>Cations</b>											
Ca	mmolc/L	23	3.05	0.11		2.75	0.14		2.56	0.14	
Mg	mmolc/L	21	2.30	0.080		1.28	0.051		1.17	0.030	
Na	mmolc/L	21	0.37	0.010		1.20	0.031		0.20	0.007	
K	mmolc/L	23	0.078	0.005		0.15	0.005		0.035	0.005	
NH4-N	mmolc/L	5	0.001			0.001			0.001		
Sum Cations	mmolc/L	12	5.77	0.14		5.41	0.15		3.92	0.083	
SAR	---	9	0.22	0.007		0.84	0.020		0.15	0.005	
Adj-SAR	---	3	0.47			1.71			0.29		
<b>Anions</b>											
HCO3	mmolc/L	16	4.56	0.19		3.93	0.17		3.29	0.12	
CO3	mmolc/L	6	0.49	0.26		0.20			0.19		
Cl	mmolc/L	18	0.45	0.039		0.14	0.013		0.25	0.030	
NO3	mmolc/L	17	0.034	0.006		0.009	0.005		0.010	0.002	
SO4	mmolc/L	14	0.66	0.029		1.20	0.059		0.30	0.019	
Sum Anions	mmolc/L	10	5.72	0.18		5.33	0.14		3.83	0.12	
Cation-Anion Difference	---	4	0.015			0.17	0.15		0.12		
<b>Miscellaneous</b>											
Boron	mg/L	9	0.013	0.003		0.090	0.004		0.016	0.006	
PO4-P Phosphorus - Spec	mg/L	3	0.006			0.076			0.008		
Phosphorus - ICP (Total)	mg/L	5	0.010			0.052	0.007		0.010	0.007	
Total N Kjeldahl	mg/L	1									
Total C-combustion	mg/L	1									
Total N-combustion	mg/L	3	1.20			2.32			1.63		