



NAPT Program
North American Proficiency Testing

2005 North American Proficiency Testing Program

1st Quarter Report June 14, 2005



SAS Institute
Society of America

Laboratory ID
6002

Water Analysis	Units	Sample 2004-301		Sample 2004-302		Sample 2004-303		
		Median	MAD	Median	MAD	Median	MAD	
pH	Unit	44	8.40	0.15	8.10	0.21	7.70	0.21
EC	ds/m	40	0.39	0.010	0.55	0.018	1.10	0.04
Cations								
Ca	mmol/L	38	0.023	0.018	2.39	0.12	5.36	0.23
Mg	mmol/L	34	0.00	0.00	1.17	0.06	4.00	0.18
Na	mmol/L	36	4.15	0.15	2.18	0.11	2.92	0.14
K	mmol/L	35	0.00	0.00	0.07	0.007	0.12	0.011
NH ₄ -N	mmol/L	28	0.131	0.020	0.000	0.000	0.000	0.000
Sum Cations	mmol/L	23	4.29	0.14	5.80	0.21	12.4	0.41
SAR	value	19	37.5	10.750	1.60	0.05	1.33	0.07
Adj-SAR	value	6	9.11	18.98	2.9	0.19	2.9	0.11
Anions								
HCO ₃	mmol/L	27	3.83	0.30	3.40	0.37	3.26	0.25
CO ₃	mmol/L	19	0.200	0.140	0.050	0.050	0.000	0.00
Cl	mmol/L	30	0.029	0.022	0.90	0.06	0.69	0.07
NO ₃	mmol/L	35	0.003	0.003	0.128	0.021	0.103	0.017
SO ₄	mmol/L	27	0.00	0.00	1.17	0.07	8.22	0.42
Sum Anions	mmol/L	22	4.08	0.31	5.62	0.39	12.4	0.53
Cation-Anion Difference			0.0	0.00	0.0	0.00	0.0	0.0
Boron	mg/L	23	0.004	0.004	0.030	0.007	0.160	0.012
PO ₄ -P - Spec	mg/L	15	0.010	0.008	0.0095	0.005	0.179	0.018
P - ICP (Total)	mg/L	22	0.019	0.017	0.020	0.0200	0.199	0.050
TKN	mg/L	8	1.94	0.21	0.95	0.68	0.77	0.15
Nitrogen Combustion	mg/L	1	2.19	0.00	2.22	0.000	2.28	0.00
Total Organic Carbon	mg/L	4	1.0	0.47	4.0	0.28	5.0	0.63

1 - Values flagged exceed Warning Limits " * " 2.5 x MAD (Median Absolute Deviation) and Control Limits " * * " 4 x MAD. " < " and " ND " values not recorded.