



Comparison of different Total Ionic Strength Adjustment Buffer Compositions for Determination of Low Level Fluoride in Environmental Water Samples with Fluoride Ion Selective Electrode

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Abstract

Fluoride content of environmental water samples collected from the vicinity of Pilanesberg National Park was determined using a

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Sample ID	Fluoride content, mg/L (Result \pm SD, n=3)				
	Treatment				
1	1.79 \pm 0.17	1.98 \pm 0.12	2.06 \pm 0.20	1.85 \pm 0.12	1.85 \pm 0.11
2	0.88 \pm 0.10	1.00 \pm 0.23	1.05 \pm 0.16	0.99 \pm 0.20	0.96 \pm 0.09
3	4.22 \pm 0.14	4.41 \pm 0.20	4.41 \pm 0.16	4.40 \pm 0.19	4.32 \pm 0.26
4	0.90 \pm 0.10	0.96 \pm 0.09	1.01 \pm 0.16	0.99 \pm 0.21	0.94 \pm 0.15
5	3.06 \pm 0.14	3.29 \pm 0.15	3.33 \pm 0.08	3.20 \pm 0.12	3.13 \pm 0.16
6	2.21 \pm 0.09	2.42 \pm 0.14	3.08 \pm 0.08	2.46 \pm 0.11	2.29 \pm 0.09
7	0.28 \pm 0.14	0.45 \pm 0.13	0.40 \pm 0.10	0.40 \pm 0.10	0.36 \pm 0.02
8	0.13 \pm 0.10	0.16 \pm 0.05	0.21 \pm 0.07	0.17 \pm 0.06	0.18 \pm 0.04
9	1.02 \pm 0.24	1.14 \pm 0.12	1.27 \pm 0.15	1.08 \pm 0.15	

Citation:

6. J Curr Res 8: 37641-37643.
- 7.