

Anions by Ion Chromatography

IC Conditions

Column: Dionex AS9-SC/AG9-SC
 Eluent: 2mM Na₂CO₃, 0.75 mM NaHCO₃
 Flow: 2.0 mL/min
 Inj. Vol.: 300 microliters
 Detection: Suppressed Conductivity.

Total Micrograms Per Swab

Analyte	Swabs
Bromide	ND
Chloride	ND
Fluoride	ND
Nitrate	ND
Nitrite	ND
ortho-Phosphate	ND
Sulfate	ND
Detection Limit	0.2

Date Analyzed: 9-23-99

Quality Control Summary

Sample ID: *****
 Matrix: Wipe Extract

Analyte	Sample Result	Amount Spiked	MS Result	% Rec MS	MSD Result	% Rec MSD	RPD
Bromide	ND	30.6	31.1	102	30.7	100	1
Chloride	0.71	30.6	32.0	102	32.4	104	1
Fluoride	ND	30.6	31.7	104	31.1	102	2
Nitrate	1.21	30.6	32.7	103	32.6	103	0
Nitrite	ND	30.6	31.1	102	31.4	103	1
Orthophosphate	ND	30.6	30.1	98	30.5	100	1
Sulfate	1.40	30.6	32.9	103	32.9	103	0

QC Limits

Analyte	RPD Control	% Recovery Control
Bromide	18	60 - 127
Chloride	39	60 - 110
Fluoride	50	57 - 142
Nitrate	50	63 - 117
Nitrite	18	75 - 112
Orthophosphate	50	67 - 116
Sulfate	49	54 - 114

