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LABORATORY ANALYTICAL REPORT

Company: Wesco Operating Inc
Project: Trelevan - Danforth
Location: NOT GIVEN
Laboratory ID: C13120681-003
Sample ID: T-11

Report Date: 12/30/2013
Date Received: 12/19/2013
Collection Date: 12/18/2013
Matrix: Water

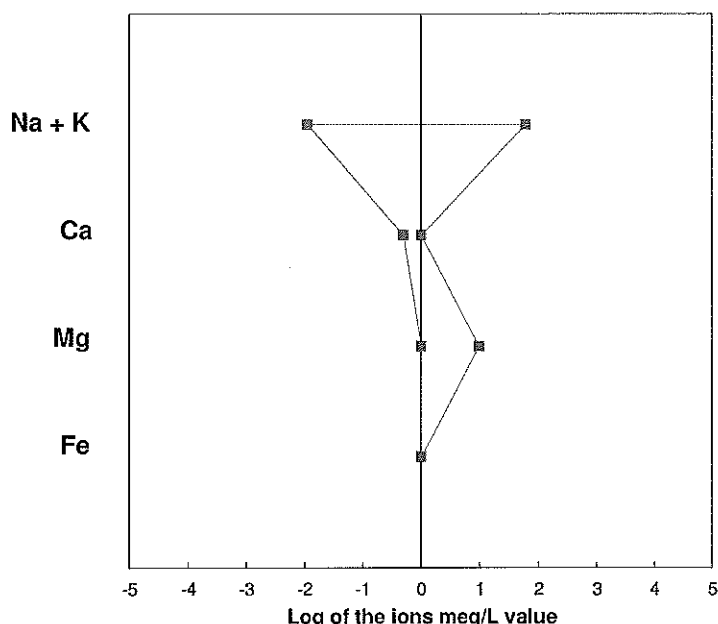
CATIONS	mg/L	meq/L	ANIONS	mg/L	meq/L
Calcium	40	2.02	Bicarbonate	NA	NA
Magnesium	6	0.50	Carbonate	NA	NA
Potassium	14	0.37	Hydroxide	NA	NA
Sodium	2,012	87.53	Chloride	2,198	61.99
Iron, Total	0.76	0.03	Sulfate	476	9.92
Barium, Total	0.43	0.01			
Strontium, Total	8.25	0.19			
SUM +	2,083	90.65	SUM -	2,674	71.91

Solids	Sample Conditions
Total Dissolved Solids, Calc	5,160 mg/L
Total Solids, NaCl equivalents	4,494 mg/L
Chloride as NaCl	3,623 mg/L
NaCl % of Total Dissolved Solids	70.2 %
	Temperature, °F 68 °F
	pH, s.u. 7.88 s.u.
	Accuracy -15.35 Sigma
	Cation/Anion Balance 11.53 %

Other Properties	
Calcium Hardness as CaCO ₃	101 mg/L
Magnesium Hardness as CaCO ₃	25 mg/L
Total Hardness as CaCO ₃	126 mg/L
	Ionic Strength 0.088 μ
	Specific Gravity, Calc. 1.004 g/cc
	Resistivity, 68°F 1.17 ohm meter
	Conductivity, 25°C 9,400 μmhos/cm ³

Microbiological	Scaling Conditions
Sulfate Reducing Bacteria	NA col/mL
	CaCO ₃ : No
	CaSO ₄ : No
	BaSO ₄ : Yes
	SrSO ₄ : No

Water Analysis Pattern



Probable Mineral Residue, Dry

Calculation error = -26.1 %	
Compound	mg/L
NaCl	3,623
Na ₂ SO ₄	512
CaSO ₄	137
MgSO ₄	30
SrSO ₄	17

NOTE: NA indicates not analyzed