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LABORATORY ANALYTICAL REPORT

Company: Wesco Operating Inc
Project: Trelevan - Danforth
Location: NOT GIVEN
Laboratory ID: C13120681-001
Sample ID: T-9

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

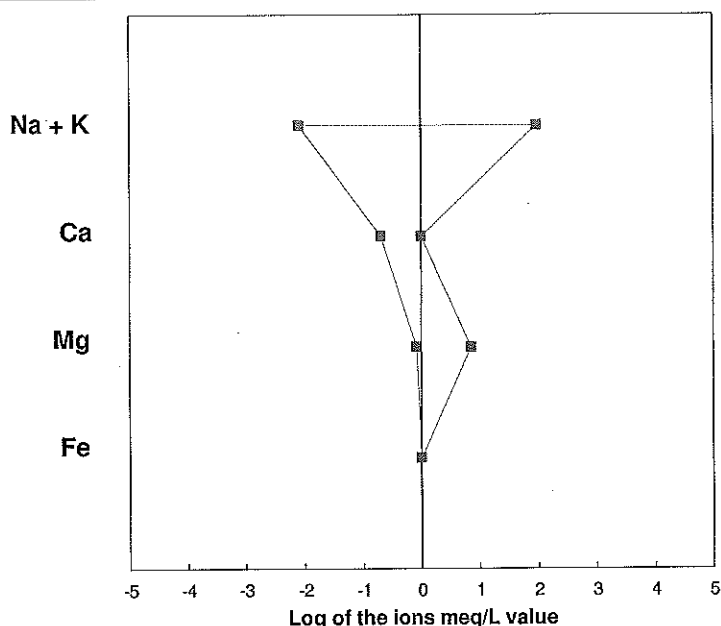
CATIONS	mg/L	meq/L	ANIONS	mg/L	meq/L
Calcium	100	5.00	Bicarbonate	NA	NA
Magnesium	15	1.22	Carbonate	NA	NA
Potassium	27	0.69	Hydroxide	NA	NA
Sodium	2,796	121.64	Chloride	3,385	95.48
Iron, Total	4.85	0.17	Sulfate	343	7.14
Barium, Total	5.07	0.07			
Strontium, Total	7.07	0.16			
SUM +	2,956	128.95	SUM -	3,728	102.62

Solids	Sample Conditions
Total Dissolved Solids, Calc	7,290 mg/L
Total Solids, NaCl equivalents	6,454 mg/L
Chloride as NaCl	5,580 mg/L
NaCl % of Total Dissolved Solids	76.5 %
Temperature, °F	68 °F
pH, s.u.	7.88 s.u.
Accuracy	-15.51 Sigma
Cation/Anion Balance	11.37 %

Other Properties	
Calcium Hardness as CaCO ₃	250 mg/L
Magnesium Hardness as CaCO ₃	61 mg/L
Total Hardness as CaCO ₃	311 mg/L
Ionic Strength	0.123 μ
Specific Gravity, Calc.	1.005 g/cc
Resistivity, 68 °F	0.84 ohm meter
Conductivity, 25 °C	13,044 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 = -25.7 %	
Compound	mg/L
NaCl	5,580
CaSO ₄	340
MgSO ₄	73
Na ₂ SO ₄	49
SrSO ₄	15
BaSO ₄	9

NOTE: NA indicates not analyzed