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## LABORATORY ANALYTICAL REPORT

Company: Wesco Operating Inc  
Project: Trelevan - Danforth  
Location: NOT GIVEN  
Laboratory ID: C13120681-002  
Sample ID: T-6

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

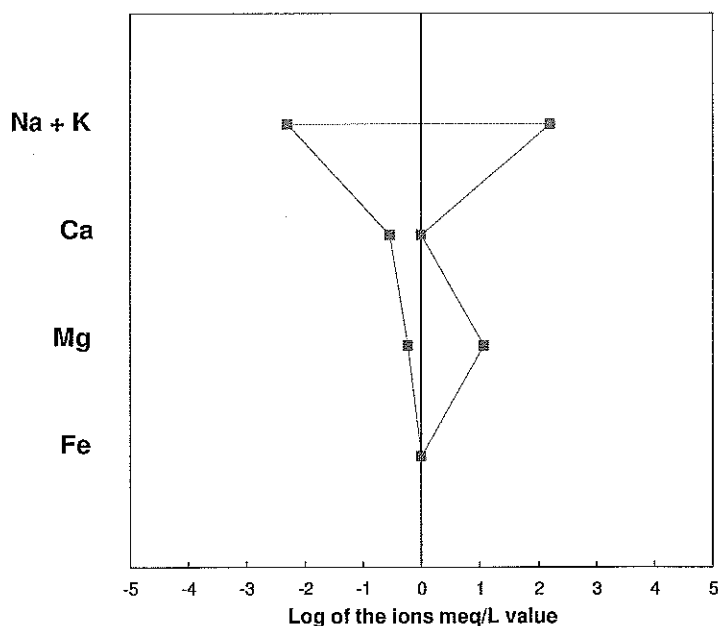
CATIONS	mg/L	meq/L	ANIONS	mg/L	meq/L
Calcium	70	3.49	Bicarbonate	NA	NA
Magnesium	21	1.70	Carbonate	NA	NA
Potassium	62	1.60	Hydroxide	NA	NA
Sodium	4,513	196.32	Chloride	5,725	161.48
Iron, Total	1.56	0.06	Sulfate	566	11.78
Barium, Total	0.42	0.01			
Strontium, Total	14.49	0.33			
<b>SUM +</b>	<b>4,683</b>	<b>203.51</b>	<b>SUM -</b>	<b>6,291</b>	<b>173.26</b>

Solids	Sample Conditions
Total Dissolved Solids, Calc	11,500 mg/L
Total Solids, NaCl equivalents	10,608 mg/L
Chloride as NaCl	9,437 mg/L
NaCl % of Total Dissolved Solids	82.1 %
Temperature, °F	68 °F
pH, s.u.	7.43 s.u.
Accuracy	-10.83 Sigma
Cation/Anion Balance	8.03 %

Other Properties	
Calcium Hardness as CaCO <sub>3</sub>	175 mg/L
Magnesium Hardness as CaCO <sub>3</sub>	85 mg/L
Total Hardness as CaCO <sub>3</sub>	260 mg/L
Ionic Strength	0.199 μ
Specific Gravity, Calc.	1.008 g/cc
Resistivity, 68 °F	0.53 ohm meter
Conductivity, 25 °C	20,704 μmhos/cm <sup>3</sup>

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

Water Analysis Pattern	Probable Mineral Residue, Dry
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Calculation error = -17.5 %													
	<table><tr><th>Compound</th><th>mg/L</th></tr><tr><td>NaCl</td><td>9,438</td></tr><tr><td>Na2SO4</td><td>444</td></tr><tr><td>CaSO4</td><td>238</td></tr><tr><td>MgSO4</td><td>102</td></tr><tr><td>SrSO4</td><td>30</td></tr></table>	Compound	mg/L	NaCl	9,438	Na2SO4	444	CaSO4	238	MgSO4	102	SrSO4	30
Compound	mg/L												
NaCl	9,438												
Na2SO4	444												
CaSO4	238												
MgSO4	102												
SrSO4	30												
Cl													
HCO3													

NOTE: NA indicates not analyzed