Date Sampled	Date Received	Date Analyzed	Date Reported	Location - Approved By - Title
Nov 15, 2012	Nov 16, 2012	Dec 17, 2012	Dec 17, 2012	Calgary - Tin Tin Ma - Reporter
Other Information				

SP: V101 Liquids

Note: Sampling Point, Unique Well Identifier and/or Pool or Zone information was unavailable at time of reporting. This information is integral to AGAT's WebFLUIDs, a comparison, history and trending analysis system.

Cations

ION	mg/L	mmol/L	meq/L
Na	7350.0	319.7	319.7
K	61.9	1.6	1.6
Ca	1170.0	29.2	58.4
Mg	139.0	5.7	11.4
Fe	TRACE	0.0	TRACE

Total Cations	391.1

Anions

ION	mg/L	mmol/L	meq/L
CI	13896.0	392.0	392.0
HCO3	915.0	15.0	15.0
SO4	TRACE	TRACE	TRACE
CO3	Nil	Nil	Nil
OH	Nil	Nil	Nil

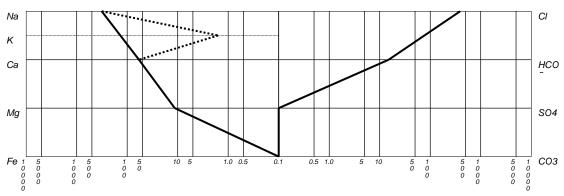
Total Anions	407.0

Other Measurements

Measurement	Value
Total Dissolved Solids (Calculated) mg/L	23066
Observed pH	7.33
H2S (25°C) mg/L	N/D
Relative Density (25°C)	1.022
Resistivity/OHM·m (25°C)	0.352
Salinity %	2.46
Total Alkalinity as CaCO3	750.00

This analysis and calculations are based on: pH = SM 4500 H+ Alkalinity = SM 2320 Cations = EPA SW-846 7000B Anions = SM 4110B H2S = SM 4500 S-2

Stiff Diagram (meq/L)



^{*} Results relate only to the items tested