

# Anion / Cation Summary Report

received 09/26/2013  
Project 2130

Lab ID: **1308515-1** QC Type: SMP  
Field ID McDonald 1

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	555.4677	MG/L	11.10
CARBONATE AS CaCO3	20	MG/L	0.00
CHLORIDE	61.61738	MG/L	1.74
FLUORIDE	0.5302517	MG/L	0.03
NITRATE AS N	0.5298945	MG/L	0.04
NITRITE AS N	0.1	MG/L	0.00
SULFATE	165.8312	MG/L	3.45
<b>Anion Result Sum</b>	<b>804.08</b>		

Analyte	Final Result	Report Units	mEq
ALUMINUM	0.05	MG/L	0.00
CALCIUM	140.7069	MG/L	7.02
IRON	0.1	MG/L	0.00
MAGNESIUM	37.91255	MG/L	3.12
MANGANESE	0.10098	MG/L	0.00
POTASSIUM	2.617744	MG/L	0.07
SODIUM	174.1965	MG/L	7.58

**Cation Result Sum 355.68**

Total Result: **1159.76** MG/L  
TDS Result: **946.0001** MG/L  
RPD: 20.30%

Anion mEq Sum: **16.36**  
Cation mEq Sum: **17.79**  
RPD: 8.38%

Lab ID: **1308515-2** QC Type: SMP  
Field ID McDonald 2

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	207.2352	MG/L	4.14
CARBONATE AS CaCO3	20	MG/L	0.00
CHLORIDE	27.95401	MG/L	0.79
FLUORIDE	0.3002236	MG/L	0.02
NITRATE AS N	1.935299	MG/L	0.14
NITRITE AS N	0.1	MG/L	0.00
SULFATE	98.93503	MG/L	2.06
<b>Anion Result Sum</b>	<b>356.46</b>		

Analyte	Final Result	Report Units	mEq
ALUMINUM	0.05	MG/L	0.00
CALCIUM	86.80183	MG/L	4.33
IRON	0.1	MG/L	0.00
MAGNESIUM	16.82806	MG/L	1.38
MANGANESE	0.002	MG/L	0.00
POTASSIUM	1.917082	MG/L	0.05
SODIUM	46.55175	MG/L	2.02

**Cation Result Sum 152.25**

Total Result: **508.71** MG/L  
TDS Result: **456.0000** MG/L  
RPD: 10.93%

Anion mEq Sum: **7.14**  
Cation mEq Sum: **7.79**  
RPD: 8.65%

Lab ID: **1308515-3** QC Type: SMP  
Field ID 752787 Earls

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	322.2797	MG/L	6.44

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CARBONATE AS CaCO3	20	MG/L	0.00
CHLORIDE	23.84557	MG/L	0.67
FLUORIDE	0.5659753	MG/L	0.03
HYDROXIDE AS CaCO3	20	MG/L	0.00
NITRATE AS N	5.715368	MG/L	0.41
NITRITE AS N	0.1	MG/L	0.00
SULFATE	62.2678	MG/L	1.30

Anion Result Sum 454.77

Analyte	Final Result	Report Units	mEq
ALUMINUM	0.05	MG/L	0.00
CALCIUM	71.20316	MG/L	3.55
IRON	0.1	MG/L	0.00
MAGNESIUM	17.24816	MG/L	1.42
MANGANESE	0.00289	MG/L	0.00
POTASSIUM	3.308321	MG/L	0.08
SODIUM	98.98778	MG/L	4.31

Cation Result Sum 190.90

Total Result: **645.67** MG/L  
TDS Result: **493.0000** MG/L  
RPD: 26.82%

Anion mEq Sum: **8.85**  
Cation mEq Sum: **9.36**  
RPD: 5.66%

Below is a list of Lab IDs for this Order Number that were logged in for metals analyses. Note: if this area is empty then either no metals analyses were requested or the cations of interest were not requested.

1308515-1 1308515-2 1308515-3