



2645 Dollarton Highway
North Vancouver, BC, Canada V7H - 1B1
Phone (604) 924-2500 Fax (604) 924-2555

Wednesday June 22, 2005 At 9:58AM

Final Analytical Results with QC data

PESC FOLDER # : 200500564

Location: FARO MINE
Type of Sample: Fresh Water/General (FWGE)
Submitted By: John Miller
Environment Canada
91782 Alaska Hwy
Whitehorse, YT
Canada Y1A 5B7
Phone: 867-667-4592
Fax: 867-667-7962
Logged In: Wednesday April 6, 2005
Completed: Wednesday June 22, 2005 (648 results)
Client Code: 2562-101
2562-101 EP YUKON POLLUTION ABATEMENT

Sample Priority: Normal

Authorized by: _____

Richard Strub
QA Officer

Notes:

P03-04-01 ONLY 500ML SAMPLE IN GENERAL ION BOTTLE. P03-04-01 FILT RESIDUE DELETED INSUFFICIENT SAMPLE

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<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Order No: 120939 - P03-03-02				Arrival Temperature: 5°C
Start Date: 3/31/2005 12:00:00AM Start Time: 1600				

ALS**Cyanate by ISE**

Cyanate	FWGE	< 0.50	0.50	mg/L
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Thiocyanate by color

Thiocyanate	FWGE	< 0.50	0.50	mg/L
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General**Acidity total&pH4.5**

Acidity to pH 4.5	FWGE	11	1	mg CaCO3 / L
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Acidity, Total	FWGE	1250	5	mg CaCO3 / L
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Alkalinity Tot-pH4.5

Alkalinity to pH 4.5	FWGE	< 0.5	0.5	mg CaCO3 / L
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ICA (Cl F SO4)

Chloride (Cl)	FWGE	0.2	0.1	mg/L
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Fluoride (F)	FWGE	< 0.01	0.01	mg/L
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Sulphate (SO4)	FWGE	1730	50	mg/L
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ICA (NO2 NO3 PO4 Br)

Bromide (Br)	FWGE	< 0.05	0.05	mg/L
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Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
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Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
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Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
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pH

pH	FWGE	4.16	0.01	pH Units
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Residue: Filterable

Residue, Filterable (TDS)	FWGE	2990	10	mg/L
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Residue: Nonfilt.

Residue, Nonfilterable (NFR/TSS)	FWGE	8	5	mg/L
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Specific Conductance

Conductivity	FWGE	2180	2	uS/cm
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Metals**Hardness CaMg diss.**

Hardness, Calcium+Magnesium - calc.	FWGE	429	0.4	mg CaCO3 / L
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Hardness Total diss.

Hardness, Total - calc.	FWGE	1590	0.4	mg CaCO3 / L
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ICP Dissolved

Aluminum (Al)	FWGE	2.10	0.05	mg/L
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Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
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Arsenic (As)	FWGE	< 0.5	0.5	mg/L
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Barium (Ba)	FWGE	0.006	0.001	mg/L
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Beryllium (Be)	FWGE	< 0.05	0.05	mg/L
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Boron (B)	FWGE	< 0.01	0.01	mg/L
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<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Cadmium (Cd)	FWGE	0.014	0.005	mg/L
Calcium (Ca)	FWGE	104	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.152	0.005	mg/L
Copper (Cu)	FWGE	< 0.05	0.05	mg/L
Iron (Fe)	FWGE	515	0.05	mg/L
Lead (Pb)	FWGE	0.19	0.05	mg/L
Magnesium (Mg)	FWGE	41.0	0.1	mg/L
Manganese (Mn)	FWGE	16.9	0.05	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.22	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	4.5	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	21.4	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	13.3	0.1	mg/L
Strontium (Sr)	FWGE	0.452	0.001	mg/L
Sulfur (S)	FWGE	527	0.5	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	0.03	0.01	mg/L
Zinc (Zn)	FWGE	132	0.1	mg/L

Nutrients**NH3**

Nitrogen, Ammonia as N	FWGE	0.284	0.005	mg/L
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Total Phosphorus

Phosphorus, Total as P	FWGE	0.019	0.002	mg/L
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Order No: 120940 - P03-03-03

Start Date: 3/31/2005 12:00:00AM Start Time: 1620
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ALS**Cyanate by ISE**

Cyanate	FWGE	< 0.50	0.50	mg/L
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Thiocyanate by color

Thiocyanate	FWGE	0.52	0.50	mg/L
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General**Acidity total&pH4.5**

Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
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Acidity, Total	FWGE	70	1	mg CaCO3 / L
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Alkalinity Tot-pH4.5

Alkalinity to pH 4.5	FWGE	6.9	0.5	mg CaCO3 / L
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ICA (Cl F SO4)

Chloride (Cl)	FWGE	1.0	0.1	mg/L
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<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Fluoride (F)	FWGE	0.10	0.01	mg/L
Sulphate (SO4)	FWGE	405	10	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	< 0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	5.84	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	638	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	< 5	5	mg/L
Specific Conductance				
Conductivity	FWGE	704	2	uS/cm
Metals				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	265	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	334	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	0.09	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.012	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	0.005	0.005	mg/L
Calcium (Ca)	FWGE	78.4	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.213	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	16.4	0.005	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	16.8	0.1	mg/L
Manganese (Mn)	FWGE	14	0.01	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.25	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	3.0	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	14.4	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	8.1	0.1	mg/L
Strontium (Sr)	FWGE	0.300	0.001	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Sulfur (S)	FWGE	110	3	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	9.03	0.002	mg/L
<u>Nutrients</u>				
NH3				
Nitrogen, Ammonia as N	FWGE	0.181	0.005	mg/L
Total Phosphorus				
Phosphorus, Total as P	FWGE	0.004	0.002	mg/L
Order No: 120941 - P03-03-04 Start Date: 3/31/2005 12:00:00AM Start Time: 1640				
<u>ALS</u>				
Cyanate by ISE				
Cyanate	FWGE	< 0.50	0.50	mg/L
Thiocyanate by color				
Thiocyanate	FWGE	1.67	0.50	mg/L
<u>General</u>				
Acidity total&pH4.5				
Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
Acidity, Total	FWGE	41	1	mg CaCO3 / L
Alkalinity Tot-pH4.5				
Alkalinity to pH 4.5	FWGE	20.0	0.5	mg CaCO3 / L
ICA (Cl F SO4)				
Chloride (Cl)	FWGE	1.0	0.1	mg/L
Fluoride (F)	FWGE	0.04	0.01	mg/L
Sulphate (SO4)	FWGE	358	10	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	6.26	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	629	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	11	5	mg/L
Specific Conductance				
Conductivity	FWGE	722	2	uS/cm
<u>Metals</u>				
Hardness CaMg diss.				

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Hardness, Calcium+Magnesium - calc.	FWGE	272	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	351	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.058	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	81.4	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.142	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	23.8	0.05	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	16.7	0.1	mg/L
Manganese (Mn)	FWGE	16.8	0.01	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.14	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	2.8	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	13.2	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	10.0	0.1	mg/L
Strontium (Sr)	FWGE	0.295	0.001	mg/L
Sulfur (S)	FWGE	111	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	3.34	0.002	mg/L
<u>Nutrients</u>				
NH3				
Nitrogen, Ammonia as N	FWGE	0.314	0.005	mg/L
Total Phosphorus				
Phosphorus, Total as P	FWGE	0.009	0.002	mg/L
Order No: 120942 - P03-03-05				
Start Date: 3/31/2005 12:00:00AM Start Time: 1610				
<u>ALS</u>				
Cyanate by ISE				
Cyanate	FWGE	< 0.50	0.50	mg/L
Thiocyanate by color				

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Thiocyanate	FWGE	< 0.50	0.50	mg/L
General				
Acidity total&pH4.5				
Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
Acidity, Total	FWGE	23	1	mg CaCO3 / L
Alkalinity Tot-pH4.5				
Alkalinity to pH 4.5	FWGE	78.4	0.5	mg CaCO3 / L
ICA (Cl F SO4)				
Chloride (Cl)	FWGE	< 0.1	0.1	mg/L
Fluoride (F)	FWGE	0.12	0.01	mg/L
Sulphate (SO4)	FWGE	409	10	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	< 0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	0.019	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	6.82	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	862	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	105	5	mg/L
Specific Conductance				
Conductivity	FWGE	923	2	uS/cm
Metals				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	403	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	504	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.133	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	123	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.028	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	22.7	0.05	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	23.1	0.1	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Manganese (Mn)	FWGE	32.7	0.01	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.02	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	3.0	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	11.7	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	29.9	0.1	mg/L
Strontium (Sr)	FWGE	0.435	0.001	mg/L
Sulfur (S)	FWGE	142	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	0.087	0.002	mg/L

Nutrients**NH3**

Nitrogen, Ammonia as N	FWGE	0.65	0.03	mg/L
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Total Phosphorus

Phosphorus, Total as P	FWGE	0.035	0.002	mg/L
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Order No: 120943 - P03-03-06

Start Date: 3/31/2005 12:00:00AM Start Time: 1540
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ALS**Cyanate by ISE**

Cyanate	FWGE	< 0.50	0.50	mg/L
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Thiocyanate by color

Thiocyanate	FWGE	< 0.50	0.50	mg/L
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General**Acidity total&pH4.5**

Acidity to pH 4.5	FWGE	4	1	mg CaCO3 / L
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Acidity, Total	FWGE	136	1	mg CaCO3 / L
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Alkalinity Tot-pH4.5

Alkalinity to pH 4.5	FWGE	< 0.5	0.5	mg CaCO3 / L
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ICA (Cl F SO4)

Chloride (Cl)	FWGE	0.8	0.1	mg/L
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Fluoride (F)	FWGE	0.14	0.01	mg/L
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Sulphate (SO4)	FWGE	1560	50	mg/L
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ICA (NO2 NO3 PO4 Br)

Bromide (Br)	FWGE	< 0.05	0.05	mg/L
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Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
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Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
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Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
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pH

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
pH	FWGE	4.28	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	2490	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	522	5	mg/L
Specific Conductance				
Conductivity	FWGE	2770	2	uS/cm
<u>Metals</u>				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	963	0.4	mg CaCO ₃ / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	1200	0.4	mg CaCO ₃ / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.5	0.5	mg/L
Barium (Ba)	FWGE	0.005	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	273	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	< 0.005	0.005	mg/L
Copper (Cu)	FWGE	< 0.05	0.05	mg/L
Iron (Fe)	FWGE	122	0.05	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	68.5	0.1	mg/L
Manganese (Mn)	FWGE	8.49	0.05	mg/L
Molybdenum (Mo)	FWGE	0.01	0.01	mg/L
Nickel (Ni)	FWGE	< 0.02	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	8.0	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	3.59	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	241	0.1	mg/L
Strontium (Sr)	FWGE	0.628	0.001	mg/L
Sulfur (S)	FWGE	465	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	0.004	0.002	mg/L
<u>Nutrients</u>				
NH3				
Nitrogen, Ammonia as N	FWGE	0.63	0.03	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Total Phosphorus				
Phosphorus, Total as P	FWGE	0.55	0.01	mg/L
Order No: 120944 - P03-04-01				
Start Date: 4/1/2005 12:00:00AM Start Time: 1100				
<u>ALS</u>				
Cyanate by ISE				
Cyanate	FWGE	< 0.50	0.50	mg/L
Thiocyanate by color				
Thiocyanate	FWGE	1.58	0.50	mg/L
<u>General</u>				
Acidity total&pH4.5				
Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
Acidity, Total	FWGE	16	1	mg CaCO3 / L
Alkalinity Tot-pH4.5				
Alkalinity to pH 4.5	FWGE	240	0.5	mg CaCO3 / L
ICA (Cl F SO4)				
Chloride (Cl)	FWGE	1.0	0.1	mg/L
Fluoride (F)	FWGE	0.19	0.01	mg/L
Sulphate (SO4)	FWGE	872	30	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	7.53	0.01	pH Units
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	21	5	mg/L
Specific Conductance				
Conductivity	FWGE	1700	2	uS/cm
<u>Metals</u>				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	908	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	918	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.016	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	293	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	< 0.005	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	4.05	0.005	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	42.7	0.1	mg/L
Manganese (Mn)	FWGE	1.17	0.001	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	< 0.02	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	4.9	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	6.49	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	104	0.1	mg/L
Strontium (Sr)	FWGE	0.822	0.001	mg/L
Sulfur (S)	FWGE	265	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	< 0.002	0.002	mg/L

Nutrients**NH3**

Nitrogen, Ammonia as N	FWGE	0.225	0.005	mg/L
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Total Phosphorus

Phosphorus, Total as P	FWGE	0.016	0.002	mg/L
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Order No: 120945 - P03-04-02

Start Date: 4/1/2005 12:00:00AM Start Time: 1140

ALS**Cyanate by ISE**

Cyanate	FWGE	< 0.50	0.50	mg/L
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Thiocyanate by color

Thiocyanate	FWGE	0.88	0.50	mg/L
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General**Acidity total&pH4.5**

Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
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Acidity, Total	FWGE	28	1	mg CaCO3 / L
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Alkalinity Tot-pH4.5

Alkalinity to pH 4.5	FWGE	104	0.5	mg CaCO3 / L
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ICA (Cl F SO4)

Chloride (Cl)	FWGE	1.6	0.1	mg/L
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<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Fluoride (F)	FWGE	0.04	0.01	mg/L
Sulphate (SO4)	FWGE	712	30	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	< 0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	6.90	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	1260	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	17	5	mg/L
Specific Conductance				
Conductivity	FWGE	1330	2	uS/cm
Metals				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	705	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	758	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.018	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	208	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.068	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	1.47	0.005	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	44.9	0.1	mg/L
Manganese (Mn)	FWGE	27.1	0.01	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.12	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	3.5	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	12.6	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	36.1	0.1	mg/L
Strontium (Sr)	FWGE	0.510	0.001	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Sulfur (S)	FWGE	223	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	0.012	0.002	mg/L
<u>Nutrients</u>				
NH3				
Nitrogen, Ammonia as N	FWGE	0.63	0.03	mg/L
Total Phosphorus				
Phosphorus, Total as P	FWGE	0.012	0.002	mg/L
Order No: 120946 - P03-04-03 Start Date: 4/1/2005 12:00:00AM Start Time: 1200				
<u>ALS</u>				
Cyanate by ISE				
Cyanate	FWGE	< 0.50	0.50	mg/L
Thiocyanate by color				
Thiocyanate	FWGE	0.75	0.50	mg/L
<u>General</u>				
Acidity total&pH4.5				
Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
Acidity, Total	FWGE	20	1	mg CaCO3 / L
Alkalinity Tot-pH4.5				
Alkalinity to pH 4.5	FWGE	86.6	0.5	mg CaCO3 / L
ICA (Cl F SO4)				
Chloride (Cl)	FWGE	1.0	0.1	mg/L
Fluoride (F)	FWGE	0.05	0.01	mg/L
Sulphate (SO4)	FWGE	676	30	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	< 0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	0.003	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	7.04	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	1190	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	11	5	mg/L
Specific Conductance				
Conductivity	FWGE	1320	2	uS/cm
<u>Metals</u>				
Hardness CaMg diss.				

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Hardness, Calcium+Magnesium - calc.	FWGE	662	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	713	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.020	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	193	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.059	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	0.796	0.005	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	43.8	0.1	mg/L
Manganese (Mn)	FWGE	26.5	0.01	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.10	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	3.5	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	11.4	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	37.2	0.1	mg/L
Strontium (Sr)	FWGE	0.477	0.001	mg/L
Sulfur (S)	FWGE	219	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	0.009	0.002	mg/L
<u>Nutrients</u>				
NH3				
Nitrogen, Ammonia as N	FWGE	0.493	0.005	mg/L
Total Phosphorus				
Phosphorus, Total as P	FWGE	0.008	0.002	mg/L
Order No: 120947 - P03-04-04				
Start Date: 4/1/2005 12:00:00AM Start Time: 1130				
<u>ALS</u>				
Cyanate by ISE				
Cyanate	FWGE	< 0.50	0.50	mg/L
Thiocyanate by color				

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Thiocyanate	FWGE	0.56	0.50	mg/L
General				
Acidity total&pH4.5				
Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
Acidity, Total	FWGE	19	1	mg CaCO3 / L
Alkalinity Tot-pH4.5				
Alkalinity to pH 4.5	FWGE	207	0.5	mg CaCO3 / L
ICA (Cl F SO4)				
Chloride (Cl)	FWGE	< 0.1	0.1	mg/L
Fluoride (F)	FWGE	0.12	0.01	mg/L
Sulphate (SO4)	FWGE	415	10	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	< 0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	7.61	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	837	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	130	5	mg/L
Specific Conductance				
Conductivity	FWGE	1080	2	uS/cm
Metals				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	398	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	412	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.050	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	131	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	< 0.005	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	4.61	0.005	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	17.1	0.1	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Manganese (Mn)	FWGE	3.04	0.001	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	< 0.02	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	3.0	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	6.19	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	91.2	0.1	mg/L
Strontium (Sr)	FWGE	0.328	0.001	mg/L
Sulfur (S)	FWGE	123	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	0.010	0.002	mg/L

Nutrients**NH3**

Nitrogen, Ammonia as N	FWGE	0.109	0.005	mg/L
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Total Phosphorus

Phosphorus, Total as P	FWGE	0.129	0.002	mg/L
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Order No: 120948 - P03-04-05

Start Date: 4/1/2005 12:00:00AM Start Time: 1045

ALS**Cyanate by ISE**

Cyanate	FWGE	0.84	0.50	mg/L
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Thiocyanate by color

Thiocyanate	FWGE	0.58	0.50	mg/L
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General**Acidity total&pH4.5**

Acidity to pH 4.5	FWGE	< 1	1	mg CaCO3 / L
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Acidity, Total	FWGE	38	1	mg CaCO3 / L
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Alkalinity Tot-pH4.5

Alkalinity to pH 4.5	FWGE	127	0.5	mg CaCO3 / L
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ICA (Cl F SO4)

Chloride (Cl)	FWGE	1.3	0.1	mg/L
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Fluoride (F)	FWGE	0.13	0.01	mg/L
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Sulphate (SO4)	FWGE	677	30	mg/L
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ICA (NO2 NO3 PO4 Br)

Bromide (Br)	FWGE	< 0.05	0.05	mg/L
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Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
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Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
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Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
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pH

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
pH	FWGE	7.11	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	1240	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	25200	1000	mg/L
Specific Conductance				
Conductivity	FWGE	1360	2	uS/cm
<u>Metals</u>				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	661	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	762	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.054	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	197	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.020	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	25.3	0.05	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	40.9	0.1	mg/L
Manganese (Mn)	FWGE	30.1	0.01	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	< 0.02	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	3.2	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	9.19	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	29.4	0.1	mg/L
Strontium (Sr)	FWGE	0.491	0.001	mg/L
Sulfur (S)	FWGE	203	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	0.078	0.002	mg/L
<u>Nutrients</u>				
NH3				
Nitrogen, Ammonia as N	FWGE	0.75	0.03	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Total Phosphorus				
Phosphorus, Total as P	FWGE	14.3	0.2	mg/L
Order No: 120949 - P01-09C				
Start Date: 3/31/2005 12:00:00AM Start Time: 1700				
<u>ALS</u>				
Cyanate by ISE				
Cyanate	FWGE	< 0.50	0.50	mg/L
Thiocyanate by color				
Thiocyanate	FWGE	< 0.50	0.50	mg/L
<u>General</u>				
Acidity total&pH4.5				
Acidity to pH 4.5	FWGE	24	1	mg CaCO3 / L
Acidity, Total	FWGE	2710	10	mg CaCO3 / L
Alkalinity Tot-pH4.5				
Alkalinity to pH 4.5	FWGE	< 0.5	0.5	mg CaCO3 / L
ICA (Cl F SO4)				
Chloride (Cl)	FWGE	1.1	0.1	mg/L
Fluoride (F)	FWGE	0.05	0.01	mg/L
Sulphate (SO4)	FWGE	3930	100	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	0.77	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	< 0.002	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	3.94	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	5740	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	38	5	mg/L
Specific Conductance				
Conductivity	FWGE	3520	2	uS/cm
<u>Metals</u>				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	245	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	1990	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.5	0.5	mg/L
Barium (Ba)	FWGE	0.015	0.001	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Beryllium (Be)	FWGE	< 0.01	0.01	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	59.6	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.090	0.005	mg/L
Copper (Cu)	FWGE	< 0.05	0.05	mg/L
Iron (Fe)	FWGE	851	0.05	mg/L
Lead (Pb)	FWGE	0.38	0.05	mg/L
Magnesium (Mg)	FWGE	23.4	0.1	mg/L
Manganese (Mn)	FWGE	14.7	0.05	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.13	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	3.3	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	10.2	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L
Sodium (Na)	FWGE	7.1	0.1	mg/L
Strontium (Sr)	FWGE	0.145	0.001	mg/L
Sulfur (S)	FWGE	613	3	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	0.06	0.01	mg/L
Zinc (Zn)	FWGE	128	0.1	mg/L

Nutrients**NH3**

Nitrogen, Ammonia as N	FWGE	0.42	0.03	mg/L
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Total Phosphorus

Phosphorus, Total as P	FWGE	0.038	0.002	mg/L
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Order No: 120950 - P01-09D

Start Date: 3/31/2005 12:00:00AM Start Time: 1715
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ALS**Cyanate by ISE**

Cyanate	FWGE	< 0.50	0.50	mg/L
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Thiocyanate by color

Thiocyanate	FWGE	0.51	0.50	mg/L
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General**Acidity total&pH4.5**

Acidity to pH 4.5	FWGE	2	1	mg CaCO3 / L
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Acidity, Total	FWGE	200	1	mg CaCO3 / L
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Alkalinity Tot-pH4.5

Alkalinity to pH 4.5	FWGE	11.4	0.5	mg CaCO3 / L
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<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
ICA (Cl F SO4)				
Chloride (Cl)	FWGE	1.0	0.1	mg/L
Fluoride (F)	FWGE	0.04	0.01	mg/L
Sulphate (SO4)	FWGE	783	30	mg/L
ICA (NO2 NO3 PO4 Br)				
Bromide (Br)	FWGE	< 0.05	0.05	mg/L
Nitrogen, Nitrate as N	FWGE	0.006	0.002	mg/L
Nitrogen, Nitrite as N	FWGE	< 0.005	0.005	mg/L
Phosphorus, Ortho as P	FWGE	< 0.05	0.05	mg/L
pH				
pH	FWGE	5.91	0.01	pH Units
Residue: Filterable				
Residue, Filterable (TDS)	FWGE	1160	10	mg/L
Residue: Nonfilt.				
Residue, Nonfilterable (NFR/TSS)	FWGE	20	5	mg/L
Specific Conductance				
Conductivity	FWGE	1160	2	uS/cm
Metals				
Hardness CaMg diss.				
Hardness, Calcium+Magnesium - calc.	FWGE	466	0.4	mg CaCO3 / L
Hardness Total diss.				
Hardness, Total - calc.	FWGE	597	0.4	mg CaCO3 / L
ICP Dissolved				
Aluminum (Al)	FWGE	< 0.05	0.05	mg/L
Antimony (Sb)	FWGE	< 0.05	0.05	mg/L
Arsenic (As)	FWGE	< 0.05	0.05	mg/L
Barium (Ba)	FWGE	0.019	0.001	mg/L
Beryllium (Be)	FWGE	< 0.001	0.001	mg/L
Boron (B)	FWGE	< 0.01	0.01	mg/L
Cadmium (Cd)	FWGE	< 0.005	0.005	mg/L
Calcium (Ca)	FWGE	143	0.1	mg/L
Chromium (Cr)	FWGE	< 0.005	0.005	mg/L
Cobalt (Co)	FWGE	0.029	0.005	mg/L
Copper (Cu)	FWGE	< 0.005	0.005	mg/L
Iron (Fe)	FWGE	35.3	0.05	mg/L
Lead (Pb)	FWGE	< 0.05	0.05	mg/L
Magnesium (Mg)	FWGE	26.3	0.1	mg/L
Manganese (Mn)	FWGE	32.9	0.01	mg/L
Molybdenum (Mo)	FWGE	< 0.01	0.01	mg/L
Nickel (Ni)	FWGE	0.17	0.02	mg/L
Phosphorus (P)	FWGE	< 0.1	0.1	mg/L
Potassium (K)	FWGE	2.9	0.1	mg/L
Selenium (Se)	FWGE	< 0.05	0.05	mg/L
Silicon (Si)	FWGE	14	0.05	mg/L
Silver (Ag)	FWGE	< 0.01	0.01	mg/L

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>RESULT</u>	<u>MDL</u>	<u>UNITS</u>
Sodium (Na)	FWGE	13.8	0.1	mg/L
Strontium (Sr)	FWGE	0.456	0.001	mg/L
Sulfur (S)	FWGE	180	0.05	mg/L
Tin (Sn)	FWGE	< 0.05	0.05	mg/L
Titanium (Ti)	FWGE	< 0.002	0.002	mg/L
Vanadium (V)	FWGE	< 0.01	0.01	mg/L
Zinc (Zn)	FWGE	4.91	0.002	mg/L

Nutrients**NH3**

Nitrogen, Ammonia as N	FWGE	0.257	0.005	mg/L
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Total Phosphorus

Phosphorus, Total as P	FWGE	0.004	0.002	mg/L
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QC Information:

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
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Acidity total&pH4.5 UNITS: mg CaCO₃ / L **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Acidity to pH 4.5	121443-1	< MDL	< 1		1	1	BLE
Acidity to pH 4.5	121446-1		4	100.0	1	1	REP
Acidity, Total	121443-1	< MDL	< 1		1	1	BLE
Acidity, Total	121444-1	25	26	103.2	1	1	REF
Acidity, Total	121445-1	50	53	105.0	1	1	REF
Acidity, Total	121446-1		140	100.0	1	1	REP

Alkalinity Tot-pH4.5 UNITS: mg CaCO₃ / L **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Alkalinity to pH 4.5	121393-1	100	103	103.0	1	0.5	REF
Alkalinity to pH 4.5	121396-1		106	100.0	1	0.5	REP
Alkalinity, Total	121390-1	< MDL	< 0.5		1	0.5	BLE

Hardness CaMg diss. UNITS: mg CaCO₃ / L **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Hardness,Calcium+Magnesium - ca	121359-1		< 0.4		1	0.4	BLE
Hardness,Calcium+Magnesium - ca	121740-1		< 0.4		1	0.4	BLE
Hardness,Calcium+Magnesium - ca	122228-1		< 0.4		1	0.4	BLE
Hardness,Calcium+Magnesium - ca	123221-1		< 0.4		1	0.4	BLE
Hardness,Calcium+Magnesium - ca	121363-1		91.6		1	0.4	REP
Hardness,Calcium+Magnesium - ca	121364-1		398		1	0.4	REP
Hardness,Calcium+Magnesium - ca	121366-1		< 0.4		1	0.4	REP
Hardness,Calcium+Magnesium - ca	121754-1		1.0		1	0.4	REP
Hardness,Calcium+Magnesium - ca	122234-1		< 0.4		1	0.4	REP
Hardness,Calcium+Magnesium - ca	123225-1		236		1	0.4	REP
Hardness,Calcium+Magnesium - ca	123318-1		5.9		1	0.4	REP

Hardness Total diss. UNITS: mg CaCO₃ / L **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Hardness, Total - calc.	121359-1		< 0.4		1	0.4	BLE
Hardness, Total - calc.	121740-1		< 0.4		1	0.4	BLE
Hardness, Total - calc.	122228-1		< 0.4		1	0.4	BLE
Hardness, Total - calc.	123221-1		< 0.4		1	0.4	BLE
Hardness, Total - calc.	121363-1		91.9		1	0.4	REP
Hardness, Total - calc.	121364-1		413		1	0.4	REP
Hardness, Total - calc.	121366-1		< 0.4		1	0.4	REP
Hardness, Total - calc.	121754-1		1.9		1	0.4	REP
Hardness, Total - calc.	122234-1		< 0.4		1	0.4	REP
Hardness, Total - calc.	123225-1		236		1	0.4	REP
Hardness, Total - calc.	123318-1		14.3		1	0.4	REP

ICA (Cl F SO4) UNITS: mg/L **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Chloride (Cl)	121871-1	< MDL	< 0.1		1	0.1	BLE
Chloride (Cl)	123891-1	< MDL	< 0.1		1	0.1	BLE
Chloride (Cl)	124198-1	< MDL	< 0.1		1	0.1	BLE

QC Information:

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Chloride (Cl)	121873-1	2.94	3.0	102.8	1	0.1	REF
Chloride (Cl)	123893-1	4.43	4.5	102.2	1	0.1	REF
Chloride (Cl)	124200-1	4.43	4.3	96.9	1	0.1	REF
Chloride (Cl)	121875-1		12.5	100.2	5	0.5	REP
Chloride (Cl)	123898-1		3.9	103.0	1	0.1	REP
Fluoride (F)	121871-1	< MDL	< 0.01		1	0.01	BLE
Fluoride (F)	123891-1	< MDL	< 0.01		1	0.01	BLE
Fluoride (F)	124198-1	< MDL	< 0.01		1	0.01	BLE
Fluoride (F)	121873-1	0.344	0.35	100.9	1	0.01	REF
Fluoride (F)	123894-1	0.227	0.23	101.5	1	0.01	REF
Fluoride (F)	124201-1	0.227	0.24	105.3	1	0.01	REF
Fluoride (F)	121875-1		0.20	100.4	1	0.01	REP
Fluoride (F)	123898-1		0.14	112.0	1	0.01	REP
Fluoride (F)	124203-1		0.47	99.5	1	0.01	REP
Sulphate (SO4)	121871-1	< MDL	< 0.5		1	0.5	BLE
Sulphate (SO4)	123891-1	< MDL	< 0.5		1	0.5	BLE
Sulphate (SO4)	124198-1	< MDL	< 0.5		1	0.5	BLE
Sulphate (SO4)	121873-1	2.79	2.9	103.3	1	0.5	REF
Sulphate (SO4)	123895-1	3.70	3.8	102.5	1	0.5	REF
Sulphate (SO4)	121875-1		246	97.1	20	10	REP
Sulphate (SO4)	123898-1		51	100.0	5	3	REP

ICA (NO2 NO3 PO4 Br) UNITS: mg/L MATRIX: FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Bromide (Br)	121872-1	< MDL	< 0.05		1	0.05	BLE
Bromide (Br)	121874-1	1.25	1.28	102.1	1	0.05	REF
Bromide (Br)	121876-1		< 0.05		1	0.05	REP
Nitrogen, Nitrate as N	121872-1	< MDL	< 0.002		1	0.002	BLE
Nitrogen, Nitrate as N	121874-1	0.250	0.247	98.7	1	0.002	REF
Nitrogen, Nitrate as N	121876-1		0.224	98.9	1	0.002	REP
Nitrogen, Nitrite as N	121872-1	< MDL	< 0.005		1	0.005	BLE
Nitrogen, Nitrite as N	121874-1	0.125	0.110	88.2	1	0.005	REF
Nitrogen, Nitrite as N	121876-1		0.049	110.8	1	0.005	REP
Phosphorus, Ortho as P	121872-1	< MDL	< 0.05		1	0.05	BLE
Phosphorus, Ortho as P	121874-1	1.25	1.24	98.9	1	0.05	REF
Phosphorus, Ortho as P	121876-1		< 0.05		1	0.05	REP

ICP Dissolved UNITS: mg/L MATRIX: FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Aluminum (Al)	121359-1	< MDL	< 0.05		1	0.05	BLE
Aluminum (Al)	121740-1	< MDL	< 0.05		1	0.05	BLE
Aluminum (Al)	122228-1	< MDL	< 0.05		1	0.05	BLE
Aluminum (Al)	123221-1	< MDL	< 0.05		1	0.05	BLE
Aluminum (Al)	121360-1	1.200	1.05	87.6	1	0.05	REF
Aluminum (Al)	121741-1	1.200	1.07	89.1	1	0.05	REF
Aluminum (Al)	122229-1	1.200	1.11	92.5	1	0.05	REF
Aluminum (Al)	123222-1	1.200	1.12	93.6	1	0.05	REF
Aluminum (Al)	121363-1		< 0.05		1	0.05	REP
Aluminum (Al)	121364-1		< 0.05		1	0.05	REP
Aluminum (Al)	121366-1		< 0.05		1	0.05	REP
Aluminum (Al)	121754-1		< 0.05		1	0.05	REP

QC Information:

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Aluminum (Al)	122234-1		< 0.05		1	0.05	REP
Aluminum (Al)	123225-1		< 0.05		1	0.05	REP
Aluminum (Al)	123318-1		< 0.05		1	0.05	REP
Antimony (Sb)	121359-1	< MDL	< 0.05		1	0.05	BLE
Antimony (Sb)	122228-1	< MDL	< 0.05		1	0.05	BLE
Antimony (Sb)	123221-1	< MDL	< 0.05		1	0.05	BLE
Antimony (Sb)	121360-1	0.265	0.26	98.2	1	0.05	REF
Antimony (Sb)	122229-1	0.265	0.28	105.4	1	0.05	REF
Antimony (Sb)	123222-1	0.265	0.27	100.2	1	0.05	REF
Antimony (Sb)	121363-1		< 0.05		1	0.05	REP
Antimony (Sb)	121364-1		< 0.05		1	0.05	REP
Antimony (Sb)	121366-1		< 0.05		1	0.05	REP
Antimony (Sb)	122234-1		< 0.05		1	0.05	REP
Antimony (Sb)	123225-1		< 0.05		1	0.05	REP
Arsenic (As)	121359-1	< MDL	< 0.05		1	0.05	BLE
Arsenic (As)	121740-1	< MDL	< 0.05		1	0.05	BLE
Arsenic (As)	122228-1	< MDL	< 0.05		1	0.05	BLE
Arsenic (As)	123221-1	< MDL	< 0.05		1	0.05	BLE
Arsenic (As)	121360-1	0.284	0.27	95.3	1	0.05	REF
Arsenic (As)	121741-1	0.284	0.26	92.9	1	0.05	REF
Arsenic (As)	122229-1	0.284	0.29	102.6	1	0.05	REF
Arsenic (As)	123222-1	0.284	0.26	91.7	1	0.05	REF
Arsenic (As)	121363-1		< 0.05		1	0.05	REP
Arsenic (As)	121364-1		< 0.05		1	0.05	REP
Arsenic (As)	121366-1		< 0.05		1	0.05	REP
Arsenic (As)	121743-1		< 0.5		10	0.5	REP
Arsenic (As)	122234-1		< 0.05		1	0.05	REP
Arsenic (As)	123225-1		< 0.05		1	0.05	REP
Barium (Ba)	121359-1	< MDL	< 0.001		1	0.001	BLE
Barium (Ba)	121740-1	< MDL	0.004		1	0.001	BLE
Barium (Ba)	122228-1	< MDL	< 0.001		1	0.001	BLE
Barium (Ba)	123221-1	< MDL	0.001		1	0.001	BLE
Barium (Ba)	121360-1	0.335	0.333	99.3	1	0.001	REF
Barium (Ba)	121741-1	0.335	0.340	101.4	1	0.001	REF
Barium (Ba)	122229-1	0.335	0.332	99.0	1	0.001	REF
Barium (Ba)	123222-1	0.335	0.323	96.5	1	0.001	REF
Barium (Ba)	121363-1		0.011	99.9	1	0.001	REP
Barium (Ba)	121364-1		0.050	100.7	1	0.001	REP
Barium (Ba)	121366-1		< 0.001		1	0.001	REP
Barium (Ba)	121754-1		0.019	99.2	1	0.001	REP
Barium (Ba)	122234-1		< 0.001		1	0.001	REP
Barium (Ba)	123225-1		0.040	99.6	1	0.001	REP
Barium (Ba)	123318-1		0.020	100.0	1	0.001	REP
Beryllium (Be)	121359-1	< MDL	< 0.001		1	0.001	BLE
Beryllium (Be)	122228-1	< MDL	< 0.001		1	0.001	BLE
Beryllium (Be)	123221-1	< MDL	< 0.001		1	0.001	BLE
Beryllium (Be)	121360-1	0.111	0.116	104.2	1	0.001	REF
Beryllium (Be)	122229-1	0.111	0.119	107.6	1	0.001	REF
Beryllium (Be)	123222-1	0.111	0.109	98.5	1	0.001	REF
Beryllium (Be)	121363-1		< 0.001		1	0.001	REP
Beryllium (Be)	121364-1		< 0.001		1	0.001	REP
Beryllium (Be)	121366-1		< 0.001		1	0.001	REP

QC Information:

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Beryllium (Be)	122234-1		< 0.001		1	0.001	REP
Beryllium (Be)	123225-1		< 0.001		1	0.001	REP
Boron (B)	121359-1	< MDL	0.02		1	0.01	BLE
Boron (B)	122228-1	< MDL	< 0.01		1	0.01	BLE
Boron (B)	123221-1	< MDL	< 0.01		1	0.01	BLE
Boron (B)	121360-1	0.757	0.78	103.0	1	0.01	REF
Boron (B)	121361-1	0.11	0.12	109.1	1	0.01	REF
Boron (B)	122229-1	0.757	0.78	103.0	1	0.01	REF
Boron (B)	122230-1	0.11	0.10	90.9	1	0.01	REF
Boron (B)	123222-1	0.757	0.72	94.9	1	0.01	REF
Boron (B)	123223-1	0.11	0.11	103.3	1	0.01	REF
Boron (B)	121363-1		0.03	100.0	1	0.01	REP
Boron (B)	121364-1		< 0.01		1	0.01	REP
Boron (B)	121366-1		< 0.01		1	0.01	REP
Boron (B)	122234-1		< 0.01		1	0.01	REP
Boron (B)	123225-1		0.07	100.4	1	0.01	REP
Cadmium (Cd)	121359-1	< MDL	< 0.005		1	0.005	BLE
Cadmium (Cd)	122228-1	< MDL	< 0.005		1	0.005	BLE
Cadmium (Cd)	123221-1	< MDL	< 0.005		1	0.005	BLE
Cadmium (Cd)	121360-1	0.446	0.432	96.8	1	0.005	REF
Cadmium (Cd)	122229-1	0.446	0.441	98.9	1	0.005	REF
Cadmium (Cd)	123222-1	0.446	0.418	93.8	1	0.005	REF
Cadmium (Cd)	121363-1		< 0.005		1	0.005	REP
Cadmium (Cd)	121364-1		< 0.005		1	0.005	REP
Cadmium (Cd)	121366-1		< 0.005		1	0.005	REP
Cadmium (Cd)	122234-1		< 0.005		1	0.005	REP
Cadmium (Cd)	123225-1		< 0.005		1	0.005	REP
Calcium (Ca)	121359-1	< MDL	< 0.1		1	0.1	BLE
Calcium (Ca)	121740-1	< MDL	< 0.1		1	0.1	BLE
Calcium (Ca)	122228-1	< MDL	< 0.1		1	0.1	BLE
Calcium (Ca)	123221-1	< MDL	< 0.1		1	0.1	BLE
Calcium (Ca)	121361-1	81.1	82.8	102.0	1	0.1	REF
Calcium (Ca)	121742-1	81.1	85.3	105.2	1	0.1	REF
Calcium (Ca)	122230-1	81.1	83.3	102.7	1	0.1	REF
Calcium (Ca)	123223-1	81.1	85.5	105.4	1	0.1	REF
Calcium (Ca)	121363-1		32.1	101.2	1	0.1	REP
Calcium (Ca)	121364-1		131	100.3	1	0.1	REP
Calcium (Ca)	121366-1		< 0.1		1	0.1	REP
Calcium (Ca)	121754-1		0.2	98.5	1	0.1	REP
Calcium (Ca)	122234-1		< 0.1		1	0.1	REP
Calcium (Ca)	123225-1		49.3	100.0	1	0.1	REP
Calcium (Ca)	123318-1		2.0	99.4	1	0.1	REP
Chromium (Cr)	121359-1	< MDL	< 0.005		1	0.005	BLE
Chromium (Cr)	122228-1	< MDL	< 0.005		1	0.005	BLE
Chromium (Cr)	123221-1	< MDL	< 0.005		1	0.005	BLE
Chromium (Cr)	121360-1	0.669	0.660	98.6	1	0.005	REF
Chromium (Cr)	122229-1	0.669	0.706	105.6	1	0.005	REF
Chromium (Cr)	123222-1	0.669	0.652	97.4	1	0.005	REF
Chromium (Cr)	121363-1		< 0.005		1	0.005	REP
Chromium (Cr)	121364-1		< 0.005		1	0.005	REP
Chromium (Cr)	121366-1		< 0.005		1	0.005	REP
Chromium (Cr)	122234-1		< 0.005		1	0.005	REP

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Chromium (Cr)	123225-1		< 0.005		1	0.005	REP
Cobalt (Co)	121359-1	< MDL	< 0.005		1	0.005	BLE
Cobalt (Co)	122228-1	< MDL	< 0.005		1	0.005	BLE
Cobalt (Co)	123221-1	< MDL	< 0.005		1	0.005	BLE
Cobalt (Co)	121360-1	0.375	0.374	99.8	1	0.005	REF
Cobalt (Co)	122229-1	0.375	0.397	105.8	1	0.005	REF
Cobalt (Co)	123222-1	0.375	0.370	98.7	1	0.005	REF
Cobalt (Co)	121363-1		< 0.005		1	0.005	REP
Cobalt (Co)	121364-1		< 0.005		1	0.005	REP
Cobalt (Co)	121366-1		< 0.005		1	0.005	REP
Cobalt (Co)	122234-1		< 0.005		1	0.005	REP
Cobalt (Co)	123225-1		< 0.005		1	0.005	REP
Copper (Cu)	121359-1	< MDL	< 0.005		1	0.005	BLE
Copper (Cu)	121740-1	< MDL	< 0.005		1	0.005	BLE
Copper (Cu)	122228-1	< MDL	< 0.005		1	0.005	BLE
Copper (Cu)	123221-1	< MDL	< 0.005		1	0.005	BLE
Copper (Cu)	121360-1	0.445	0.424	95.3	1	0.005	REF
Copper (Cu)	121741-1	0.445	0.414	93.1	1	0.005	REF
Copper (Cu)	122229-1	0.445	0.445	99.9	1	0.005	REF
Copper (Cu)	123222-1	0.445	0.424	95.3	1	0.005	REF
Copper (Cu)	121363-1		< 0.005		1	0.005	REP
Copper (Cu)	121364-1		< 0.005		1	0.005	REP
Copper (Cu)	121366-1		< 0.005		1	0.005	REP
Copper (Cu)	121743-1		< 0.05		10	0.05	REP
Copper (Cu)	121754-1		0.120	99.2	1	0.005	REP
Copper (Cu)	122234-1		< 0.005		1	0.005	REP
Copper (Cu)	123225-1		< 0.005		1	0.005	REP
Copper (Cu)	123318-1		3.4	99.5	1	0.005	REP
Iron (Fe)	121359-1	< MDL	< 0.005		1	0.005	BLE
Iron (Fe)	121740-1	< MDL	< 0.005		1	0.005	BLE
Iron (Fe)	122228-1	< MDL	< 0.005		1	0.005	BLE
Iron (Fe)	123221-1	< MDL	< 0.005		1	0.005	BLE
Iron (Fe)	121360-1	1.010	1.03	101.7	1	0.005	REF
Iron (Fe)	121741-1	1.010	1.03	102.1	1	0.005	REF
Iron (Fe)	122229-1	1.010	1.1	108.5	1	0.005	REF
Iron (Fe)	123222-1	1.010	1.04	103.5	1	0.005	REF
Iron (Fe)	121363-1		< 0.005		1	0.005	REP
Iron (Fe)	121364-1		4.6	99.9	1	0.005	REP
Iron (Fe)	121366-1		< 0.005		1	0.005	REP
Iron (Fe)	121743-1		511	99.1	10	0.05	REP
Iron (Fe)	121754-1		0.048	99.0	1	0.005	REP
Iron (Fe)	122234-1		< 0.005		1	0.005	REP
Iron (Fe)	123225-1		< 0.005		1	0.005	REP
Iron (Fe)	123318-1		0.116	99.5	1	0.005	REP
Lead (Pb)	121359-1	< MDL	< 0.05		1	0.05	BLE
Lead (Pb)	121740-1	< MDL	< 0.05		1	0.05	BLE
Lead (Pb)	122228-1	< MDL	< 0.05		1	0.05	BLE
Lead (Pb)	123221-1	< MDL	< 0.05		1	0.05	BLE
Lead (Pb)	121360-1	0.492	0.47	96.2	1	0.05	REF
Lead (Pb)	121741-1	0.492	0.48	98.1	1	0.05	REF
Lead (Pb)	122229-1	0.492	0.52	105.2	1	0.05	REF
Lead (Pb)	123222-1	0.492	0.47	95.5	1	0.05	REF

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Lead (Pb)	121363-1		< 0.05		1	0.05	REP
Lead (Pb)	121364-1		< 0.05		1	0.05	REP
Lead (Pb)	121366-1		< 0.05		1	0.05	REP
Lead (Pb)	121754-1		0.66	99.0	1	0.05	REP
Lead (Pb)	122234-1		< 0.05		1	0.05	REP
Lead (Pb)	123225-1		< 0.05		1	0.05	REP
Lead (Pb)	123318-1		2.23	99.3	1	0.05	REP
Magnesium (Mg)	121359-1	< MDL	< 0.1		1	0.1	BLE
Magnesium (Mg)	121740-1	< MDL	< 0.1		1	0.1	BLE
Magnesium (Mg)	122228-1	< MDL	< 0.1		1	0.1	BLE
Magnesium (Mg)	123221-1	< MDL	< 0.1		1	0.1	BLE
Magnesium (Mg)	121361-1	39.1	40.4	103.4	1	0.1	REF
Magnesium (Mg)	121742-1	39.1	40.2	102.9	1	0.1	REF
Magnesium (Mg)	122230-1	39.1	39.8	101.7	1	0.1	REF
Magnesium (Mg)	123223-1	39.1	41.9	107.2	1	0.1	REF
Magnesium (Mg)	121363-1		2.8	101.2	1	0.1	REP
Magnesium (Mg)	121364-1		17.1	99.8	1	0.1	REP
Magnesium (Mg)	121366-1		< 0.1		1	0.1	REP
Magnesium (Mg)	121754-1		< 0.1		1	0.1	REP
Magnesium (Mg)	122234-1		< 0.1		1	0.1	REP
Magnesium (Mg)	123225-1		27.4	100.9	1	0.1	REP
Magnesium (Mg)	123318-1		0.2	99.6	1	0.1	REP
Manganese (Mn)	121359-1	< MDL	< 0.001		1	0.001	BLE
Manganese (Mn)	121740-1	< MDL	< 0.001		1	0.001	BLE
Manganese (Mn)	122228-1	< MDL	< 0.001		1	0.001	BLE
Manganese (Mn)	123221-1	< MDL	< 0.001		1	0.001	BLE
Manganese (Mn)	121360-1	0.727	0.733	100.9	1	0.001	REF
Manganese (Mn)	121741-1	0.727	0.719	98.9	1	0.001	REF
Manganese (Mn)	122229-1	0.727	0.775	106.7	1	0.001	REF
Manganese (Mn)	123222-1	0.727	0.710	97.6	1	0.001	REF
Manganese (Mn)	121363-1		< 0.001		1	0.001	REP
Manganese (Mn)	121364-1		3.08	101.3	1	0.001	REP
Manganese (Mn)	121366-1		< 0.001		1	0.001	REP
Manganese (Mn)	121754-1		0.007	99.0	1	0.001	REP
Manganese (Mn)	122234-1		< 0.001		1	0.001	REP
Manganese (Mn)	123225-1		< 0.001		1	0.001	REP
Manganese (Mn)	123318-1		0.194	99.3	1	0.001	REP
Molybdenum (Mo)	121359-1	< MDL	< 0.01		1	0.01	BLE
Molybdenum (Mo)	122228-1	< MDL	< 0.01		1	0.01	BLE
Molybdenum (Mo)	123221-1	< MDL	< 0.01		1	0.01	BLE
Molybdenum (Mo)	121360-1	0.601	0.59	98.2	1	0.01	REF
Molybdenum (Mo)	122229-1	0.601	0.62	103.1	1	0.01	REF
Molybdenum (Mo)	123222-1	0.601	0.57	94.7	1	0.01	REF
Molybdenum (Mo)	121363-1		< 0.01		1	0.01	REP
Molybdenum (Mo)	121364-1		< 0.01		1	0.01	REP
Molybdenum (Mo)	121366-1		< 0.01		1	0.01	REP
Molybdenum (Mo)	122234-1		< 0.01		1	0.01	REP
Molybdenum (Mo)	123225-1		< 0.01		1	0.01	REP
Nickel (Ni)	121359-1	< MDL	< 0.02		1	0.02	BLE
Nickel (Ni)	122228-1	< MDL	< 0.02		1	0.02	BLE
Nickel (Ni)	123221-1	< MDL	< 0.02		1	0.02	BLE
Nickel (Ni)	121360-1	0.472	0.44	92.8	1	0.02	REF

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Nickel (Ni)	122229-1	0.472	0.49	103.2	1	0.02	REF
Nickel (Ni)	123222-1	0.472	0.44	93.2	1	0.02	REF
Nickel (Ni)	121363-1		< 0.02		1	0.02	REP
Nickel (Ni)	121364-1		< 0.02		1	0.02	REP
Nickel (Ni)	121366-1		< 0.02		1	0.02	REP
Nickel (Ni)	122234-1		< 0.02		1	0.02	REP
Nickel (Ni)	123225-1		< 0.02		1	0.02	REP
Phosphorus (P)	121359-1	< MDL	< 0.1		1	0.1	BLE
Phosphorus (P)	121740-1	< MDL	< 0.1		1	0.1	BLE
Phosphorus (P)	122228-1	< MDL	< 0.1		1	0.1	BLE
Phosphorus (P)	123221-1	< MDL	< 0.1		1	0.1	BLE
Phosphorus (P)	121363-1		0.2	100.7	1	0.1	REP
Phosphorus (P)	121364-1		< 0.1		1	0.1	REP
Phosphorus (P)	121366-1		< 0.1		1	0.1	REP
Phosphorus (P)	121754-1		< 0.1		1	0.1	REP
Phosphorus (P)	122234-1		< 0.1		1	0.1	REP
Phosphorus (P)	123225-1		< 0.1		1	0.1	REP
Phosphorus (P)	123318-1		< 0.1		1	0.1	REP
Potassium (K)	121359-1	< MDL	< 0.1		1	0.1	BLE
Potassium (K)	121740-1	< MDL	< 0.1		1	0.1	BLE
Potassium (K)	122228-1	< MDL	< 0.1		1	0.1	BLE
Potassium (K)	123221-1	< MDL	< 0.1		1	0.1	BLE
Potassium (K)	121361-1	8.22	8.6	104.2	1	0.1	REF
Potassium (K)	121742-1	8.22	8.8	106.8	1	0.1	REF
Potassium (K)	122230-1	8.22	8.5	103.4	1	0.1	REF
Potassium (K)	123223-1	8.22	9.0	109.9	1	0.1	REF
Potassium (K)	121363-1		3.5	101.6	1	0.1	REP
Potassium (K)	121364-1		3.0	101.0	1	0.1	REP
Potassium (K)	121366-1		< 0.1		1	0.1	REP
Potassium (K)	121754-1		0.2	101.8	1	0.1	REP
Potassium (K)	122234-1		< 0.1		1	0.1	REP
Potassium (K)	123225-1		9.1	102.4	1	0.1	REP
Potassium (K)	123318-1		0.8	100.4	1	0.1	REP
Selenium (Se)	121359-1	< MDL	< 0.05		1	0.05	BLE
Selenium (Se)	122228-1	< MDL	< 0.05		1	0.05	BLE
Selenium (Se)	123221-1	< MDL	< 0.05		1	0.05	BLE
Selenium (Se)	121360-1	0.409	0.41	99.4	1	0.05	REF
Selenium (Se)	122229-1	0.409	0.42	103.0	1	0.05	REF
Selenium (Se)	123222-1	0.409	0.40	97.8	1	0.05	REF
Selenium (Se)	121363-1		< 0.05		1	0.05	REP
Selenium (Se)	121364-1		< 0.05		1	0.05	REP
Selenium (Se)	121366-1		< 0.05		1	0.05	REP
Selenium (Se)	122234-1		< 0.05		1	0.05	REP
Selenium (Se)	123225-1		< 0.05		1	0.05	REP
Silicon (Si)	121359-1	< MDL	< 0.05		1	0.05	BLE
Silicon (Si)	121740-1	< MDL	< 0.05		1	0.05	BLE
Silicon (Si)	122228-1	< MDL	< 0.05		1	0.05	BLE
Silicon (Si)	123221-1	< MDL	< 0.05		1	0.05	BLE
Silicon (Si)	121361-1	5.18	5.22	100.7	1	0.05	REF
Silicon (Si)	121742-1	5.18	5.20	100.4	1	0.05	REF
Silicon (Si)	122230-1	5.18	5.41	104.3	1	0.05	REF
Silicon (Si)	123223-1	5.18	5.23	100.9	1	0.05	REF

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Silicon (Si)	121363-1		12.3	100.8	1	0.05	REP
Silicon (Si)	121364-1		6.18	99.8	1	0.05	REP
Silicon (Si)	121366-1		< 0.05		1	0.05	REP
Silicon (Si)	121754-1		< 0.05		1	0.05	REP
Silicon (Si)	122234-1		< 0.05		1	0.05	REP
Silicon (Si)	123225-1		4.30	100.8	1	0.05	REP
Silicon (Si)	123318-1		< 0.05		1	0.05	REP
Silver (Ag)	121359-1	< MDL	< 0.01		1	0.01	BLE
Silver (Ag)	122228-1	< MDL	< 0.01		1	0.01	BLE
Silver (Ag)	123221-1	< MDL	< 0.01		1	0.01	BLE
Silver (Ag)	121360-1	0.177	0.18	103.3	1	0.01	REF
Silver (Ag)	122229-1	0.177	0.18	100.5	1	0.01	REF
Silver (Ag)	123222-1	0.177	0.17	96.1	1	0.01	REF
Silver (Ag)	121363-1		< 0.01		1	0.01	REP
Silver (Ag)	121364-1		< 0.01		1	0.01	REP
Silver (Ag)	121366-1		< 0.01		1	0.01	REP
Silver (Ag)	122234-1		< 0.01		1	0.01	REP
Silver (Ag)	123225-1		< 0.01		1	0.01	REP
Sodium (Na)	121359-1	< MDL	< 0.1		1	0.1	BLE
Sodium (Na)	121740-1	< MDL	< 0.1		1	0.1	BLE
Sodium (Na)	122228-1	< MDL	< 0.1		1	0.1	BLE
Sodium (Na)	123221-1	< MDL	< 0.1		1	0.1	BLE
Sodium (Na)	121361-1	59.0	60.6	102.7	1	0.1	REF
Sodium (Na)	121742-1	59.0	60.5	102.5	1	0.1	REF
Sodium (Na)	122230-1	59.0	62.4	105.8	1	0.1	REF
Sodium (Na)	123223-1	59.0	62.8	106.5	1	0.1	REF
Sodium (Na)	121363-1		42.4	99.8	1	0.1	REP
Sodium (Na)	121364-1		93.4	102.4	1	0.1	REP
Sodium (Na)	121366-1		< 0.1		1	0.1	REP
Sodium (Na)	121754-1		0.7	98.9	1	0.1	REP
Sodium (Na)	122234-1		< 0.1		1	0.1	REP
Sodium (Na)	123225-1		41.9	100.2	1	0.1	REP
Sodium (Na)	123318-1		1.3	98.8	1	0.1	REP
Strontium (Sr)	121359-1	< MDL	< 0.001		1	0.001	BLE
Strontium (Sr)	121740-1	< MDL	< 0.001		1	0.001	BLE
Strontium (Sr)	122228-1	< MDL	< 0.001		1	0.001	BLE
Strontium (Sr)	123221-1	< MDL	< 0.001		1	0.001	BLE
Strontium (Sr)	121360-1	0.104	0.104	100.3	1	0.001	REF
Strontium (Sr)	121741-1	0.104	0.106	101.9	1	0.001	REF
Strontium (Sr)	122229-1	0.104	0.114	109.5	1	0.001	REF
Strontium (Sr)	123222-1	0.104	0.100	96.5	1	0.001	REF
Strontium (Sr)	121363-1		0.267	100.5	1	0.001	REP
Strontium (Sr)	121364-1		0.327	99.7	1	0.001	REP
Strontium (Sr)	121366-1		< 0.001		1	0.001	REP
Strontium (Sr)	121754-1		0.002	100.5	1	0.001	REP
Strontium (Sr)	122234-1		< 0.001		1	0.001	REP
Strontium (Sr)	123225-1		0.247	101.1	1	0.001	REP
Strontium (Sr)	123318-1		0.017	99.9	1	0.001	REP
Sulfur (S)	121359-1	< MDL	< 0.05		1	0.05	BLE
Sulfur (S)	121740-1	< MDL	< 0.05		1	0.05	BLE
Sulfur (S)	122228-1	< MDL	< 0.05		1	0.05	BLE
Sulfur (S)	123221-1	< MDL	< 0.05		1	0.05	BLE

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Sulfur (S)	121361-1	65	67.1	103.2	1	0.05	REF
Sulfur (S)	121742-1	65	69.5	106.9	1	0.05	REF
Sulfur (S)	122230-1	65	68.8	105.8	1	0.05	REF
Sulfur (S)	123223-1	65	68	104.6	1	0.05	REF
Sulfur (S)	121363-1		2.76	99.8	1	0.05	REP
Sulfur (S)	121364-1		125	101.6	1	0.05	REP
Sulfur (S)	121366-1		< 0.05		1	0.05	REP
Sulfur (S)	121754-1		0.88	100.3	1	0.05	REP
Sulfur (S)	122234-1		< 0.05		1	0.05	REP
Sulfur (S)	123225-1		57.2	100.5	1	0.05	REP
Sulfur (S)	123318-1		4.74	99.2	1	0.05	REP
Tin (Sn)	121359-1	< MDL	< 0.05		1	0.05	BLE
Tin (Sn)	122228-1	< MDL	< 0.05		1	0.05	BLE
Tin (Sn)	123221-1	< MDL	< 0.05		1	0.05	BLE
Tin (Sn)	121363-1		< 0.05		1	0.05	REP
Tin (Sn)	121364-1		< 0.05		1	0.05	REP
Tin (Sn)	121366-1		< 0.05		1	0.05	REP
Tin (Sn)	122234-1		< 0.05		1	0.05	REP
Tin (Sn)	123225-1		< 0.05		1	0.05	REP
Titanium (Ti)	121359-1	< MDL	< 0.002		1	0.002	BLE
Titanium (Ti)	121740-1	< MDL	< 0.002		1	0.002	BLE
Titanium (Ti)	122228-1	< MDL	< 0.002		1	0.002	BLE
Titanium (Ti)	123221-1	< MDL	< 0.002		1	0.002	BLE
Titanium (Ti)	121363-1		< 0.002		1	0.002	REP
Titanium (Ti)	121364-1		< 0.002		1	0.002	REP
Titanium (Ti)	121366-1		< 0.002		1	0.002	REP
Titanium (Ti)	121754-1		< 0.002		1	0.002	REP
Titanium (Ti)	122234-1		< 0.002		1	0.002	REP
Titanium (Ti)	123225-1		< 0.002		1	0.002	REP
Titanium (Ti)	123318-1		< 0.002		1	0.002	REP
Vanadium (V)	121359-1	< MDL	< 0.01		1	0.01	BLE
Vanadium (V)	122228-1	< MDL	< 0.01		1	0.01	BLE
Vanadium (V)	123221-1	< MDL	< 0.01		1	0.01	BLE
Vanadium (V)	121360-1	0.550	0.55	99.7	1	0.01	REF
Vanadium (V)	122229-1	0.550	0.58	105.2	1	0.01	REF
Vanadium (V)	123222-1	0.550	0.52	94.8	1	0.01	REF
Vanadium (V)	121363-1		< 0.01		1	0.01	REP
Vanadium (V)	121364-1		< 0.01		1	0.01	REP
Vanadium (V)	121366-1		< 0.01		1	0.01	REP
Vanadium (V)	122234-1		< 0.01		1	0.01	REP
Vanadium (V)	123225-1		< 0.01		1	0.01	REP
Zinc (Zn)	121359-1	< MDL	< 0.002		1	0.002	BLE
Zinc (Zn)	121740-1	< MDL	< 0.002		1	0.002	BLE
Zinc (Zn)	122228-1	< MDL	0.013		1	0.002	BLE
Zinc (Zn)	123221-1	< MDL	< 0.002		1	0.002	BLE
Zinc (Zn)	121360-1	0.726	0.729	100.4	1	0.002	REF
Zinc (Zn)	121741-1	0.726	0.744	102.5	1	0.002	REF
Zinc (Zn)	122229-1	0.726	0.768	105.7	1	0.002	REF
Zinc (Zn)	123222-1	0.726	0.716	98.6	1	0.002	REF
Zinc (Zn)	121363-1		0.002	63.5	1	0.002	REP
Zinc (Zn)	121364-1		0.008	85.8	1	0.002	REP
Zinc (Zn)	121366-1		< 0.002		1	0.002	REP

QC Information:

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Zinc (Zn)	121754-1		0.150	99.5	1	0.002	REP
Zinc (Zn)	122234-1		< 0.002		1	0.002	REP
Zinc (Zn)	123225-1		0.007	111.4	1	0.002	REP
Zinc (Zn)	123318-1		0.741	98.7	1	0.002	REP

NH3 UNITS: mg/L MATRIX: FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Nitrogen, Ammonia as N	121645-1	< MDL	< 0.005		1	0.005	BLE
Nitrogen, Ammonia as N	121646-1	13.4	13.0	96.6	50	0.3	REF
Nitrogen, Ammonia as N	121647-1		0.108	99.1	1	0.005	REP

pH UNITS: pH Units MATRIX: FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
pH	121388-1	6.14	5.99		1	0.01	BLE
pH	121392-1	7.40	7.40	100.0	1	0.01	REF
pH	121394-1		8.31	100.0	1	0.01	REP

Residue: Filterable UNITS: mg/L MATRIX: FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Residue, Filterable (TDS)	121818-1	< MDL	< 10		1	10	BLE
Residue, Filterable (TDS)	121819-1	< MDL	< 10		1	10	BLE
Residue, Filterable (TDS)	121820-1	< MDL	< 10		1	10	BLE
Residue, Filterable (TDS)	121821-1	< MDL	< 10		1	10	BLE
Residue, Filterable (TDS)	121822-1	200	202	101.2	1	10	REF
Residue, Filterable (TDS)	121823-1	200	204	101.9	1	10	REF
Residue, Filterable (TDS)	121824-1		16	109.7	1	10	REP
Residue, Filterable (TDS)	121825-1		631	100.3	1	10	REP
Residue, Filterable (TDS)	121826-1		1160	99.6	1	10	REP
Residue, Filterable (TDS)	121827-1		305	98.0	1	10	REP

Residue: Nonfilt. UNITS: mg/L MATRIX: FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Residue, Nonfilterable (NFR/TSS)	121403-1	< MDL	< 5		1	5	BLE
Residue, Nonfilterable (NFR/TSS)	121404-1	< MDL	< 5		1	5	BLE
Residue, Nonfilterable (NFR/TSS)	121986-1	< MDL	< 5		1	5	BLE
Residue, Nonfilterable (NFR/TSS)	123212-1	< MDL	< 5		1	5	BLE
Residue, Nonfilterable (NFR/TSS)	123213-1	< MDL	< 5		1	5	BLE
Residue, Nonfilterable (NFR/TSS)	121406-1	152	142	93.1	1	5	REF
Residue, Nonfilterable (NFR/TSS)	121988-1	152	135	89.0	1	5	REF
Residue, Nonfilterable (NFR/TSS)	123215-1	152	142	93.6	1	5	REF
Residue, Nonfilterable (NFR/TSS)	121408-1	< 5	< 5		1	5	REP
Residue, Nonfilterable (NFR/TSS)	121409-1		8	84.2	1	5	REP
Residue, Nonfilterable (NFR/TSS)	121410-1		244	98.0	1	5	REP
Residue, Nonfilterable (NFR/TSS)	121990-1		239	99.4	1	5	REP
Residue, Nonfilterable (NFR/TSS)	121991-1		7	107.8	1	5	REP
Residue, Nonfilterable (NFR/TSS)	123217-1		2110	99.3	1	5	REP
Residue, Nonfilterable (NFR/TSS)	123218-1		15	88.3	1	5	REP
Residue, Nonfilterable (NFR/TSS)	123219-1		< 5		1	5	REP

QC Information:

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
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Specific Conductance UNITS: uS/cm **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Conductivity	121389-1	< MDL	< 2		1	2	BLE
Conductivity	121391-1	100	102	102.0	1	2	REF
Conductivity	121395-1		303	109.8	1	2	REP

Thiocyanate by color UNITS: mg/L **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Thiocyanate	121841-1		0.78	104.0	1	0.50	REP

Total Phosphorus UNITS: mg/L **MATRIX:** FWGE

<u>ANALYTE</u>	<u>ALIQ#</u>	<u>EXPECTED</u>	<u>RESULT</u>	<u>% REC</u>	<u>DIL'N</u>	<u>MDL</u>	<u>QC TYPE</u>
Phosphorus, Total as P	121215-1	< MDL	< 0.002		1	0.002	BLE
Phosphorus, Total as P	121214-1	1.67	1.71	102.4	25	0.05	REF
Phosphorus, Total as P	121216-1		0.013	99.3	1	0.002	REP
Phosphorus, Total as P	121217-1		< 0.002		1	0.002	REP
Phosphorus, Total as P	121218-1		0.56	102.4	10	0.02	REP

Note: All QC information is batch associated. Duplicate analysis are not necessarily those of this report. Percent recovery for duplicate analysis represents the percent recovery of REP2 as compared to REP1 of a sample duplicate.

BLE - Blank, Equipment	BLL - Blank, Method	BLX - Blank, Extraction
REA - Replicate Spike, Known Addition	REF - Reference Material	REG - Regular Sample
RRF - Replicate Reference Material	REK - Replicate, Spike	REP - Replicate, Regular
RTS - Replicate Test Sample	SPA - Spike, Known Addition	SPK - Spike
TST - Test Sample 1=Present 2=Absent	MDL - Method Detection Limit	



Environment
Canada

Environnement
Canada

Billing Estimate

----- Not an Invoice Do not Pay -----

PESC FOLDER # :

Invoice:

Location:

<u>TEST DESCRIPTION</u>	<u>MATRIX</u>	<u>QTY</u>	<u>UNITPRICE</u>	<u>PENALTY</u>	<u>SURCHARGE</u>	<u>NETPRICE</u>
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Charges

Total Charged To:

Penalty - A charge that removed from the price due to a test performed after a certian penalty time.

Surcharge - A service charge that is applied when tests are performed by a contract Lab.