

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1345
Date Reported: 2012-12-21
Date Submitted: 2012-12-20
Sample Matrix: Water

LAB ID	Supply / Description	Client Sample ID	Sample Date	ANALYTE	UNIT	MRL	RESULT
1004675	WS-S-0668 Above South Pond	2012-2315-00-SI-SP	2012-12-17	Alkalinity as CaCO ₃	mg/L	5	8
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	2
				Colour	TCU	2	47
				Conductivity	uS/cm	5	28
				Dissolved Organic Carbon	mg/L	0.5	6.2
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.36
				Sulphate	mg/L	3	<3
				Total Dissolved Solids (COND - CALC)	mg/L	1	18
				Total Kjeldahl Nitrogen	mg/L	0.10	0.16
				Total Organic Carbon	mg/L	0.5	6.4
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	1.7
				Aluminum	mg/L	0.01	0.08
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1345
Date Reported: 2012-12-21
Date Submitted: 2012-12-20
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1004675	WS-S-0668 Above South Pond	2012-2315-00-SI-SP	2012-12-17	Copper	mg/L	0.001	<0.001
				Iron	mg/L	0.03	0.17
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.007
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL: 
 Lorna Wilson
 Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1346
Date Reported: 2012-12-27
Date Submitted: 2012-12-21
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005103	WS-S-0668 Above South Pond	2012-2318-00-SI-SP	2012-12-18	Alkalinity as CaCO ₃	mg/L	5	8
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	2
				Colour	TCU	2	44
				Conductivity	uS/cm	5	30
				Dissolved Organic Carbon	mg/L	0.5	5.9
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	10
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.27
				Sulphate	mg/L	3	4
				Total Dissolved Solids (COND - CALC)	mg/L	1	20
				Total Kjeldahl Nitrogen	mg/L	0.10	0.21
				Total Organic Carbon	mg/L	0.5	6.1
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	3.8
				Aluminum	mg/L	0.01	0.16
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	4
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:
Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Diana Cameron
Inorganic Laboratory Team Leader

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1346
Date Reported: 2012-12-27
Date Submitted: 2012-12-21
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005103	WS-S-0668 Above South Pond	2012-2318-00-SI-SP	2012-12-18	Copper	mg/L	0.001	0.006
				Iron	mg/L	0.03	0.29
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	0.02
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.008
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:
Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Diana Cameron
Inorganic Laboratory Team Leader

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1347
Date Reported: 2012-12-27
Date Submitted: 2012-12-21
Sample Matrix: Water

LAB ID	Supply / Description	Client Sample ID	Sample Date	ANALYTE	UNIT	MRL	RESULT
1005108	WS-S-0668 Above South Pond	2012-2323-00-SI-SP	2012-12-19	Alkalinity as CaCO ₃	mg/L	5	9
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	2
				Colour	TCU	2	43
				Conductivity	uS/cm	5	29
				Dissolved Organic Carbon	mg/L	0.5	6.0
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.36
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	19
				Total Kjeldahl Nitrogen	mg/L	0.10	0.15
				Total Organic Carbon	mg/L	0.5	6.1
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	2.0
				Aluminum	mg/L	0.01	0.11
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: _____

Diana Cameron
Inorganic Laboratory Team Leader

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1347
Date Reported: 2012-12-27
Date Submitted: 2012-12-21
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005108	WS-S-0668 Above South Pond	2012-2323-00-SI-SP	2012-12-19	Copper	mg/L	0.001	0.004
				Iron	mg/L	0.03	0.19
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.009
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL: 
 Diana Cameron
 Inorganic Laboratory Team Leader

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1348
Date Reported: 2012-12-28
Date Submitted: 2012-12-22
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005162	WS-S-0668 South Brook - Next to Brook	2012-2325-00-SI-SP	2012-12-20	Alkalinity as CaCO ₃	mg/L	5	8
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	2
				Colour	TCU	2	42
				Conductivity	uS/cm	5	28
				Dissolved Organic Carbon	mg/L	0.5	5.8
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.34
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	18
				Total Kjeldahl Nitrogen	mg/L	0.10	<0.10
				Total Organic Carbon	mg/L	0.5	5.7
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	1.6
				Aluminum	mg/L	0.01	0.09
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL:


 Lorna Wilson
 Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1348
Date Reported: 2012-12-28
Date Submitted: 2012-12-22
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005162	WS-S-0668 South Brook - Next to Brook	2012-2325-00-SI-SP	2012-12-20	Copper	mg/L	0.001	0.002
				Iron	mg/L	0.03	0.17
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.008
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL:



Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls - Windsor
Purchase Order: 212004311

COC Number: 1349
Date Reported: 2012-12-31
Date Submitted: 2012-12-27
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005195	WS-S-0068 Upstream Pond	2012-2327-00-SI-SP	2012-12-21	Alkalinity as CaCO ₃	mg/L	5	8
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	2
				Colour	TCU	2	42
				Conductivity	uS/cm	5	29
				Dissolved Organic Carbon	mg/L	0.5	6.0
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.32
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	19
				Total Kjeldahl Nitrogen	mg/L	0.10	0.14
				Total Organic Carbon	mg/L	0.5	6.1
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	0.9
				Aluminum	mg/L	0.01	0.10
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:
Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls - Windsor
Purchase Order: 212004311

COC Number: 1349
Date Reported: 2012-12-31
Date Submitted: 2012-12-27
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005195	WS-S-0068 Upstream Pond	2012-2327-00-SI-SP	2012-12-21	Copper	mg/L	0.001	0.002
				Iron	mg/L	0.03	0.20
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.008
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:
Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1350
Date Reported: 2013-01-02
Date Submitted: 2012-12-28
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005308	WS-S-0668 Above South Pond Site #2	2012-2329-00-SI-SP	2012-12-24	Alkalinity as CaCO ₃	mg/L	5	7
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	47
				Conductivity	uS/cm	5	32
				Dissolved Organic Carbon	mg/L	0.5	6.2
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	0.12
				pH		1.00	6.27
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	21
				Total Kjeldahl Nitrogen	mg/L	0.10	0.13
				Total Organic Carbon	mg/L	0.5	6.0
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	3.5
				Aluminum	mg/L	0.01	0.17
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:
Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1350
Date Reported: 2013-01-02
Date Submitted: 2012-12-28
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005308	WS-S-0668 Above South Pond Site #2	2012-2329-00-SI-SP	2012-12-24	Copper	mg/L	0.001	0.003
				Iron	mg/L	0.03	0.35
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	0.02
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	2
				Strontium	mg/L	0.001	0.009
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:
Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Corner Brook
Purchase Order: 212004311

COC Number: 0636
Date Reported: 2013-01-03
Date Submitted: 2012-12-31
Sample Matrix: Water

LAB ID	Supply / Description	Client Sample ID	Sample Date	ANALYTE	UNIT	MRL	RESULT
1005503	WS-S-0668 South Brook Site 2	2012-2331-00-SI-SP	2012-12-27	Alkalinity as CaCO ₃	mg/L	5	8
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	2
				Colour	TCU	2	55
				Conductivity	uS/cm	5	27
				Dissolved Organic Carbon	mg/L	0.5	6.7
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	5
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.24
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	18
				Total Kjeldahl Nitrogen	mg/L	0.10	<0.10
				Total Organic Carbon	mg/L	0.5	7.0
				Total Phosphorus	mg/L	0.01	0.01
				Turbidity	NTU	0.1	1.4
				Aluminum	mg/L	0.01	0.10
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	2
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Corner Brook
Purchase Order: 212004311

COC Number: 0636
Date Reported: 2013-01-03
Date Submitted: 2012-12-31
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1005503	WS-S-0668 South Brook Site 2	2012-2331-00-SI-SP	2012-12-27	Copper	mg/L	0.001	0.001
				Iron	mg/L	0.03	0.16
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.007
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL: 
 Lorna Wilson
 Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1351
Date Reported: 2013-01-11
Date Submitted: 2013-01-09
Sample Matrix: Water

LAB ID	Supply / Description	Client Sample ID	Sample Date	ANALYTE	UNIT	MRL	RESULT
1006559	SA-0092 Upstream From South Pond	2013-2501-00-SI-SP	2013-01-07	Alkalinity as CaCO ₃	mg/L	5	6
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	42
				Conductivity	uS/cm	5	31
				Dissolved Organic Carbon	mg/L	0.5	6.0
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.86
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	20
				Total Kjeldahl Nitrogen	mg/L	0.10	0.11
				Total Organic Carbon	mg/L	0.5	5.7
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	1.0
				Aluminum	mg/L	0.01	0.08
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	0.0002
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1351
Date Reported: 2013-01-11
Date Submitted: 2013-01-09
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1006559	SA-0092 Upstream From South Pond	2013-2501-00-SI-SP	2013-01-07	Copper	mg/L	0.001	0.002
				Iron	mg/L	0.03	0.18
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.012
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	0.02

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1352
Date Reported: 2013-01-28
Date Submitted: 2013-01-18
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1007887	WS-S-0668 Above South Pond	2013-2503-00-SI-SP	2013-01-15	Alkalinity as CaCO ₃	mg/L	5	6
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	39
				Conductivity	uS/cm	5	32
				Dissolved Organic Carbon	mg/L	0.5	4.6
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.84
				Sulphate	mg/L	3	4
				Total Dissolved Solids (COND - CALC)	mg/L	1	21
				Total Kjeldahl Nitrogen	mg/L	0.10	<0.10
				Total Organic Carbon	mg/L	0.5	5.3
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	1.8
				Aluminum	mg/L	0.01	0.07
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1352
Date Reported: 2013-01-28
Date Submitted: 2013-01-18
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1007887	WS-S-0668 Above South Pond	2013-2503-00-SI-SP	2013-01-15	Copper	mg/L	0.001	0.001
				Iron	mg/L	0.03	0.15
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.009
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls - Windsor
Purchase Order: 212004311

COC Number: 1354
Date Reported: 2013-01-25
Date Submitted: 2013-01-24
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1008514	WS-S-0668 Upstream From South Pond	2013-2505-00-SI-SP	2013-01-21	Alkalinity as CaCO ₃	mg/L	5	8
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	41
				Conductivity	uS/cm	5	31
				Dissolved Organic Carbon	mg/L	0.5	5.6
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	10
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.82
				Sulphate	mg/L	3	<3
				Total Dissolved Solids (COND - CALC)	mg/L	1	20
				Total Kjeldahl Nitrogen	mg/L	0.10	0.10
				Total Organic Carbon	mg/L	0.5	5.5
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	1.1
				Aluminum	mg/L	0.01	0.07
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	4
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls - Windsor
Purchase Order: 212004311

COC Number: 1354
Date Reported: 2013-01-25
Date Submitted: 2013-01-24
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1008514	WS-S-0668 Upstream From South Pond	2013-2505-00-SI-SP	2013-01-21	Copper	mg/L	0.001	0.001
				Iron	mg/L	0.03	0.19
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.009
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1357
Date Reported: 2013-02-01
Date Submitted: 2013-01-31
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1009577	WS-S-0668 South Brook Above South Pond	2013-2507-00-SI-SP	2013-01-28	Alkalinity as CaCO ₃	mg/L	5	9
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	36
				Conductivity	uS/cm	5	34
				Dissolved Organic Carbon	mg/L	0.5	5.2
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	10
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.75
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	22
				Total Kjeldahl Nitrogen	mg/L	0.10	<0.10
				Total Organic Carbon	mg/L	0.5	5.6
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	1.1
				Aluminum	mg/L	0.01	0.06
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	4
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1357
Date Reported: 2013-02-01
Date Submitted: 2013-01-31
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1009577	WS-S-0668 South Brook Above South Pond	2013-2507-00-SI-SP	2013-01-28	Copper	mg/L	0.001	0.001
				Iron	mg/L	0.03	0.16
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	2
				Strontium	mg/L	0.001	0.009
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1364
Date Reported: 2013-02-20
Date Submitted: 2013-02-19
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1012063	WS-S-0668 Upstream	2013-2508-00-SI-SP	2013-02-12	Alkalinity as CaCO ₃	mg/L	5	8
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	50
				Conductivity	uS/cm	5	30
				Dissolved Organic Carbon	mg/L	0.5	6.8
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.75
				Sulphate	mg/L	3	<3
				Total Dissolved Solids (COND - CALC)	mg/L	1	20
				Total Kjeldahl Nitrogen	mg/L	0.10	0.18
				Total Organic Carbon	mg/L	0.5	6.6
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	0.7
				Aluminum	mg/L	0.01	0.09
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL: 

Lorna Wilson
 Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1364
Date Reported: 2013-02-20
Date Submitted: 2013-02-19
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1012063	WS-S-0668 Upstream	2013-2508-00-SI-SP	2013-02-12	Copper	mg/L	0.001	<0.001
				Iron	mg/L	0.03	0.13
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.009
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1373
Date Reported: 2013-03-14
Date Submitted: 2013-03-13
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1015418	WS-S-0668 South Brook - Next to Brook	2013-2511-00-SI-SP	2013-03-08	Alkalinity as CaCO ₃	mg/L	5	<5
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	73
				Conductivity	uS/cm	5	22
				Dissolved Organic Carbon	mg/L	0.5	6.4
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	5
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.48
				Sulphate	mg/L	3	<3
				Total Dissolved Solids (COND - CALC)	mg/L	1	14
				Total Kjeldahl Nitrogen	mg/L	0.10	0.13
				Total Organic Carbon	mg/L	0.5	6.3
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	1.9
				Aluminum	mg/L	0.01	0.12
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	2
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL: 
 Lorna Wilson
 Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 212004311

COC Number: 1373
Date Reported: 2013-03-14
Date Submitted: 2013-03-13
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1015418	WS-S-0668 South Brook - Next to Brook	2013-2511-00-SI-SP	2013-03-08	Copper	mg/L	0.001	0.001
				Iron	mg/L	0.03	0.21
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	0.02
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.006
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 1375
Date Reported: 2013-04-19
Date Submitted: 2013-04-16
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1020782	WS-S-0068 Upstream	2013-2513-00-SI-SP	2013-04-12	Alkalinity as CaCO ₃	mg/L	5	7
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	50
				Conductivity	uS/cm	5	28
				Dissolved Organic Carbon	mg/L	0.5	5.6
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	2
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.71
				Sulphate	mg/L	3	<3
				Total Dissolved Solids (COND - CALC)	mg/L	1	18
				Total Kjeldahl Nitrogen	mg/L	0.10	<0.10
				Total Organic Carbon	mg/L	0.5	5.6
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	0.4
				Aluminum	mg/L	0.01	0.08
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	1
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL:



Lorna Wilson
 Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 1375
Date Reported: 2013-04-19
Date Submitted: 2013-04-16
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1020782	WS-S-0068 Upstream	2013-2513-00-SI-SP	2013-04-12	Copper	mg/L	0.001	<0.001
				Iron	mg/L	0.03	0.14
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.007
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Holding time for turbidity analysis was exceeded.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL:



Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 1377
Date Reported: 2013-05-14
Date Submitted: 2013-05-10
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1025788	WS-S-0688 Above South Pond	2013-2515-00-SI-SP	2013-05-08	Alkalinity as CaCO ₃	mg/L	5	9
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	2
				Colour	TCU	2	39
				Conductivity	uS/cm	5	22
				Dissolved Organic Carbon	mg/L	0.5	4.9
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	5
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	6.64
				Sulphate	mg/L	3	<3
				Total Dissolved Solids (COND - CALC)	mg/L	1	14
				Total Kjeldahl Nitrogen	mg/L	0.10	<0.10
				Total Organic Carbon	mg/L	0.5	5.0
				Total Phosphorus	mg/L	0.01	0.01
				Turbidity	NTU	0.1	0.4
				Aluminum	mg/L	0.01	0.06
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	2
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 
Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 1377
Date Reported: 2013-05-14
Date Submitted: 2013-05-10
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1025788	WS-S-0688 Above South Pond	2013-2515-00-SI-SP	2013-05-08	Copper	mg/L	0.001	<0.001
				Iron	mg/L	0.03	0.08
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	<2
				Strontium	mg/L	0.001	0.005
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL: 

Lorna Wilson
Inorganic Laboratory Supervisor

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 1394
Date Reported: 2013-07-08
Date Submitted: 2013-06-28
Sample Matrix: Water

LAB ID	Supply / Description	Client Sample ID	Sample Date	ANALYTE	UNIT	MRL	RESULT
1037809	WS-S-0668 Upstream	2013-2517-00-SI-SP	2013-06-26	Alkalinity as CaCO ₃	mg/L	5	12
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	28
				Conductivity	uS/cm	5	35
				Dissolved Organic Carbon	mg/L	0.5	4.4
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	7
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	7.03
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	23
				Total Kjeldahl Nitrogen	mg/L	0.10	<0.10
				Total Organic Carbon	mg/L	0.5	4.4
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	0.3
				Aluminum	mg/L	0.01	0.03
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	0.01
				Calcium	mg/L	1	3
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Holding time for turbidity analysis was exceeded. Holding time for DOC analysis was exceeded for the entire report.

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL:


 Lorna Wilson
 Laboratory Supervisor, Inorganics

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 1394
Date Reported: 2013-07-08
Date Submitted: 2013-06-28
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1037809	WS-S-0668 Upstream	2013-2517-00-SI-SP	2013-06-26	Copper	mg/L	0.001	<0.001
				Iron	mg/L	0.03	0.10
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	2
				Strontium	mg/L	0.001	0.011
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Holding time for turbidity analysis was exceeded. Holding time for DOC analysis was exceeded for the entire report.

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

APPROVAL:



Lorna Wilson
Laboratory Supervisor, Inorganics

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 2006
Date Reported: 2013-09-06
Date Submitted: 2013-08-29
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1054331	WS-S-0668 South Brook - Next to Brook	2013-2519-00-SI-SP	2013-08-26	Alkalinity as CaCO ₃	mg/L	5	14
				Bromide	mg/L	0.25	<0.25
				Chloride	mg/L	1	3
				Colour	TCU	2	22
				Conductivity	uS/cm	5	52
				Dissolved Organic Carbon	mg/L	0.5	4.4
				Fluoride	mg/L	0.10	<0.10
				Hardness as CaCO ₃	mg/L	1	10
				N-NH ₃ (Ammonia)	mg/L	0.02	<0.02
				N-NO ₂ (Nitrite)	mg/L	0.10	<0.10
				N-NO ₃ (Nitrate)	mg/L	0.10	<0.10
				pH		1.00	7.36
				Sulphate	mg/L	3	3
				Total Dissolved Solids (COND - CALC)	mg/L	1	34
				Total Kjeldahl Nitrogen	mg/L	0.10	0.13
				Total Organic Carbon	mg/L	0.5	4.9
				Total Phosphorus	mg/L	0.01	<0.01
				Turbidity	NTU	0.1	0.3
				Aluminum	mg/L	0.01	0.02
				Antimony	mg/L	0.0005	<0.0005
				Arsenic	mg/L	0.001	<0.001
				Barium	mg/L	0.01	<0.01
				Boron	mg/L	0.01	<0.01
				Calcium	mg/L	1	4
				Cadmium	mg/L	0.0001	<0.0001
				Chromium	mg/L	0.001	<0.001

Comment:

Holding time for turbidity analysis was exceeded. Holding time for DOC analysis was exceeded for the entire report.

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL: _____

Lorna Wilson
 Laboratory Supervisor, Inorganics

Cient: Department of Environment
Attention: Ms. Annette Tobin
Client Project: Grand Falls-Windsor
Purchase Order: 213002094

COC Number: 2006
Date Reported: 2013-09-06
Date Submitted: 2013-08-29
Sample Matrix: Water

<u>LAB ID</u>	<u>Supply / Description</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>ANALYTE</u>	<u>UNIT</u>	<u>MRL</u>	<u>RESULT</u>
1054331	WS-S-0668 South Brook - Next to Brook	2013-2519-00-SI-SP	2013-08-26	Copper	mg/L	0.001	<0.001
				Iron	mg/L	0.03	0.12
				Lead	mg/L	0.001	<0.001
				Magnesium	mg/L	1	<1
				Manganese	mg/L	0.01	<0.01
				Mercury	mg/L	0.0001	<0.0001
				Nickel	mg/L	0.005	<0.005
				Potassium	mg/L	1	<1
				Selenium	mg/L	0.001	<0.001
				Sodium	mg/L	2	2
				Strontium	mg/L	0.001	0.012
				Uranium	mg/L	0.001	<0.001
				Zinc	mg/L	0.01	<0.01

Comment:

Holding time for turbidity analysis was exceeded. Holding time for DOC analysis was exceeded for the entire report.

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

APPROVAL: _____

Lorna Wilson
 Laboratory Supervisor, Inorganics