

C2 Surface Water Quality Results

Client: Hatch Ltd.
 342 Queen St., P.O. Box 1001
 Niagara Falls, ON
 L2E 6W1
 Attention: Trion Clarke

Niagara Report: N8-0662
 Report Number: 2810592
 Date: 2008-05-26
 Date Submitted: 2008-05-12
 Project: 327078
 P.O. Number:
 Matrix: Water


Chain of Custody Number: 712441

PARAMETER	UNITS	MRL	LAB ID:	624107	624108				GUIDELINE		
			Sample Date:	2008-05-08	2008-05-08				Provincial Water Quality Objectives - MOE 1999		
			Sample ID:	USND	DSND				TYPE	LIMIT	UNITS
Chloride	mg/L	1		6	6						
Conductivity	uS/cm	5		60	55						
N-NO2 (Nitrite)	mg/L	0.10		<0.10	<0.10						
N-NO3 (Nitrate)	mg/L	0.10		0.21	0.21					6.5-8.5	
pH				7.16	6.94						
Sulphate	mg/L	1		6	6						
TDS (COND - CALC)	mg/L	5		39	36						
Total Kjeldahl Nitrogen	mg/L	0.10		0.31	0.35				IPWQO	0.02	mg/L
Total Phosphorus	mg/L	0.01		<0.01	0.01						
Total Suspended Solids	mg/L	2		<2	7				IPWQO	0.075	mg/L
Aluminum	mg/L	0.01		0.05	0.12						
Barium	mg/L	0.01		0.01	0.02				PWQO	0.011	mg/L
Beryllium	mg/L	0.001		<0.001	<0.001				IPWQO	0.200	mg/L
Boron	mg/L	0.01		<0.01	<0.01				PWQO	0.0002	mg/L
Cadmium	mg/L	0.0001		<0.0001	<0.0001						
Chromium	mg/L	0.001		<0.001	<0.001				PWQO	0.0009	mg/L
Cobalt	mg/L	0.0002		<0.0002	<0.0002				PWQO	0.005	mg/L
Copper	mg/L	0.001		<0.001	0.001				PWQO	0.30	mg/L
Iron	mg/L	0.03		0.07	0.12				PWQO	0.005	mg/L
Lead	mg/L	0.001		<0.001	0.001						
Manganese	mg/L	0.01		<0.01	0.01				PWQO	0.0002	mg/L
Mercury	mg/L	0.0001		<0.0001	<0.0001				IPWQO	0.040	mg/L
Molybdenum	mg/L	0.005		<0.005	<0.005				PWQO	0.025	mg/L
Nickel	mg/L	0.005		<0.005	<0.005						
Silicon	mg/L	0.1		1.8	1.8				PWQO	0.0001	mg/L
Silver	mg/L	0.0001		<0.0001	<0.0001						
Strontium	mg/L	0.001		0.026	0.027				IPWQO	0.0003	mg/L
Thallium	mg/L	0.0001		<0.0001	<0.0001						
Titanium	mg/L	0.01		<0.01	<0.01				IPWQO	0.006	mg/L
Vanadium	mg/L	0.001		<0.001	<0.001						

MRL = Method Reporting Limit INC = incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL:


 Ewan McRobbie
 Inorganic Lab Supervisor

Client: Hatch Ltd.
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Niagara Report: N7-1124
 Report Number: 2721281
 Date: 2007-09-21
 Date Submitted: 2007-09-14

Project: 327078

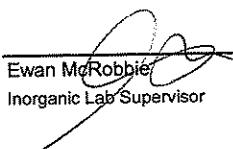
P.O. Number:
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Chain of Custody Number: 69351

PARAMETER	UNITS	MDL	LAB ID:		GUIDELINE	TYPE	LIMIT	UNITS
			572053	572054				
			Sample Date:	Sample ID:				
			2007-09-12	US Dam	2007-09-12			
Chloride	mg/L	1	7	7				
Conductivity	uS/cm	5	56	56				
N-NO2 (Nitrite)	mg/L	0.10	<0.10	<0.10				
N-NO3 (Nitrate)	mg/L	0.10	<0.10	<0.10				
pH			7.20	7.24				
Sulphate	mg/L	1	6	6				
TDS (COND - CALC)	mg/L	5	36	36				
Total Kjeldahl Nitrogen	mg/L	0.10	0.22	0.23				
Total Phosphorus	mg/L	0.02	<0.02	<0.02				
Total Suspended Solids	mg/L	2	7	<2				
Aluminum	mg/L	0.01	<0.01	<0.01				
Barium	mg/L	0.01	0.01	0.01				
Beryllium	mg/L	0.001	<0.001	<0.001				
Boron	mg/L	0.01	<0.01	<0.01				
Cadmium	mg/L	0.0001	<0.0001	<0.0001				
Chromium	mg/L	0.001	0.002	<0.001				
Cobalt	mg/L	0.0002	<0.0002	<0.0002				
Copper	mg/L	0.001	<0.001	<0.001				
Iron	mg/L	0.03	<0.03	<0.03				
Lead	mg/L	0.001	<0.001	<0.001				
Manganese	mg/L	0.01	<0.01	<0.01				
Molybdenum	mg/L	0.005	<0.005	<0.005				
Nickel	mg/L	0.005	<0.005	<0.005				
Silicon	mg/L	0.1	1.4	1.4				
Silver	mg/L	0.0001	<0.0001	<0.0001				
Strontium	mg/L	0.001	0.031	0.031				
Thallium	mg/L	0.0001	<0.0001	<0.0001				
Titanium	mg/L	0.01	<0.01	<0.01				
Vanadium	mg/L	0.001	<0.001	<0.001				
Zinc	mg/L	0.01	<0.01	<0.01				

MDL = Method Detection Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

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