



Office of Drinking Water
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Date Received: 13-JUL-11
Report Date: 03-AUG-11 13:26 (MT)
Version: FINAL

Client Phone: 204-239-3186

Certificate of Analysis

Lab Work Order #: L1030420
Project P.O. #: 28564
Job Reference: PORTAGE LA PRAIRIE REGIONAL - PWS [171.00]
Legal Site Desc:
C of C Numbers:

Paul Nicolas

Paul Nicolas
Account Manager

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ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ANALYTICAL REPORT

Physical Tests (WATER)

		ALS ID		L1030420-1	L1030420-2
		Sampled Date		12-JUL-11	12-JUL-11
		Sampled Time		09:00	09:00
		Sample ID		PORTAGE LA PRAIRIE 1 - RAW	PORTAGE LA PRAIRIE 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Colour, True	CU	15	-	50.5	<5.0
Conductivity	umhos/cm	-	-	899	679
Langelier Index (4 C)	No Unit	-	-	1.1	-0.23
Langelier Index (60 C)	No Unit	-	-	1.9	0.54
pH	pH units	6.5-8.5	-	8.53	7.99
Total Dissolved Solids	mg/L	500	-	672	462
Turbidity	NTU	-	-	162	0.13

Federal Guidelines for Canadian Drinking Water Quality (JUN, 2008)

#1: GCDWQ - Aesthetic Objective

#2: GCDWQ - Maximum and Interim Maximum Acceptable Concentrations

Anions and Nutrients (WATER)

		ALS ID		L1030420-1	L1030420-2
		Sampled Date		12-JUL-11	12-JUL-11
		Sampled Time		09:00	09:00
		Sample ID		PORTAGE LA PRAIRIE 1 - RAW	PORTAGE LA PRAIRIE 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Alkalinity, Total (as CaCO3)	mg/L	-	-	265	71.0
Ammonia as N	mg/L	-	-	0.062	0.027
Bicarbonate (HCO3)	mg/L	-	-	304	86.6
Bromate	mg/L	-	0.01		<0.010
Bromide (Br)	mg/L	-	-	<0.10	
Carbonate (CO3)	mg/L	-	-	8.77	<0.60
Chloride	mg/L	250	-	179	20.4
Fluoride	mg/L	-	1.5	0.297	0.152
Hardness (as CaCO3)	mg/L	-	-	398	163
Hydroxide (OH)	mg/L	-	-	<0.40	<0.40
Ion Balance	%	-	-	79.1	109
Nitrate and Nitrite as N	mg/L	-	10	0.090	0.254
Total Kjeldahl Nitrogen	mg/L	-	-	1.96	0.47
TDS (Calculated)	mg/L	500	-	779	445
Sulfate	mg/L	500	-	217	225

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Organic / Inorganic Carbon (WATER)

		ALS ID		L1030420-1	L1030420-2
		Sampled Date		12-JUL-11	12-JUL-11
		Sampled Time		09:00	09:00
		Sample ID		PORTAGE LA PRAIRIE 1 - RAW	PORTAGE LA PRAIRIE 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Total Carbon	mg/L	-	-	77.4	23.8
Total Inorganic Carbon	mg/L	-	-	60.4	16.3
Total Organic Carbon	mg/L	-	-	17.0	7.5

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ANALYTICAL REPORT

Total Metals (WATER)

Analyte	Unit	ALS ID		L1030420-1	L1030420-2
		Guide Limit #1	Guide Limit #2	Sampled Date Sampled Time Sample ID	Sampled Date Sampled Time Sample ID
Aluminum (Al)-Total	mg/L	0.1	-	12-JUL-11 09:00 PORTAGE LA PRAIRIE 1 - RAW 5.38	12-JUL-11 09:00 PORTAGE LA PRAIRIE 2 - TREATED 0.0108
Antimony (Sb)-Total	mg/L	-	0.006	0.00045	0.00032
Arsenic (As)-Total	mg/L	-	0.01	0.00963	0.00127
Barium (Ba)-Total	mg/L	-	1	0.155	0.0169
Beryllium (Be)-Total	mg/L	-	-	0.00022	<0.00020
Bismuth (Bi)-Total	mg/L	-	-	<0.00020	<0.00020
Boron (B)-Total	mg/L	-	5	0.120	0.061
Cadmium (Cd)-Total	mg/L	-	0.005	0.000163	<0.000010
Calcium (Ca)-Total	mg/L	-	-	82.9	43.5
Cesium (Cs)-Total	mg/L	-	-	0.00086	<0.00010
Chromium (Cr)-Total	mg/L	-	0.05	0.0092	<0.0010
Cobalt (Co)-Total	mg/L	-	-	0.00407	<0.00020
Copper (Cu)-Total	mg/L	1	-	0.0104	0.0124
Iron (Fe)-Total	mg/L	0.3	-	8.32	<0.10
Lead (Pb)-Total	mg/L	-	0.01	0.00424	0.000097
Lithium (Li)-Total	mg/L	-	-	0.0583	0.0513
Magnesium (Mg)-Total	mg/L	-	-	46.4	13.2
Manganese (Mn)-Total	mg/L	0.05	-	0.498	0.00032
Molybdenum (Mo)-Total	mg/L	-	-	0.00350	0.00305
Nickel (Ni)-Total	mg/L	-	-	0.0142	0.0021
Phosphorus (P)-Total	mg/L	-	-	0.52	0.47
Potassium (K)-Total	mg/L	-	-	16.6	16.0
Rubidium (Rb)-Total	mg/L	-	-	0.0146	0.00425
Selenium (Se)-Total	mg/L	-	0.01	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	-	-	27.2	2.58
Silver (Ag)-Total	mg/L	-	-	<0.00010	<0.00010
Sodium (Na)-Total	mg/L	200	-	77.5	83.5
Strontium (Sr)-Total	mg/L	-	-	0.345	0.156
Tellurium (Te)-Total	mg/L	-	-	<0.00020	<0.00020
Thallium (Tl)-Total	mg/L	-	-	0.00013	<0.00010
Thorium (Th)-Total	mg/L	-	-	0.00168	<0.00010
Tin (Sn)-Total	mg/L	-	-	<0.00020	<0.00020
Titanium (Ti)-Total	mg/L	-	-	0.157	0.00115

Federal Guidelines for Canadian Drinking Water Quality (JUN, 2008)

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ANALYTICAL REPORT

Total Metals (WATER)

		ALS ID		L1030420-1	L1030420-2
		Sampled Date		12-JUL-11	12-JUL-11
		Sampled Time		09:00	09:00
		Sample ID		PORTAGE LA PRAIRIE 1 - RAW	PORTAGE LA PRAIRIE 2 - TREATED
Analyte	Unit	Guide Limit #1	Guide Limit #2		
Tungsten (W)-Total	mg/L	-	-	<0.0010	<0.0010
Uranium (U)-Total	mg/L	-	0.02	0.00285	<0.00010
Vanadium (V)-Total	mg/L	-	-	0.0247	0.00073
Zinc (Zn)-Total	mg/L	5	-	0.0302	<0.0050
Zirconium (Zr)-Total	mg/L	-	-	0.00544	<0.00040

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Trihalomethanes (WATER)

		ALS ID		L1030420-4
		Sampled Date		12-JUL-11
		Sampled Time		09:00
		Sample ID		PORTAGE LA PRAIRIE 4 - DISTRIBUTION - END
Analyte	Unit	Guide Limit #1	Guide Limit #2	
Bromodichloromethane	mg/L	-	-	0.0362
Bromoform	mg/L	-	-	<0.00050
Chlorodibromomethane	mg/L	-	-	0.00944
Chloroform	mg/L	-	-	0.110
Total THMs	mg/L	-	0.1	0.155
Surrogate: Toluene-d8 (SURR)	%	-	-	82

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Haloacetic Acids (WATER)

		ALS ID		L1030420-2	L1030420-3	L1030420-4
		Sampled Date		12-JUL-11	12-JUL-11	12-JUL-11
		Sampled Time		09:00	09:00	09:00
		Sample ID		PORTAGE LA PRAIRIE 2 - TREATED	PORTAGE LA PRAIRIE 3 - DISTRIBUTION - MID	PORTAGE LA PRAIRIE 4 - DISTRIBUTION - END
Analyte	Unit	Guide Limit #1	Guide Limit #2			
Dibromoacetic Acid	mg/L	-	-	0.0029	<0.0010	0.0018
Dichloroacetic Acid	mg/L	-	-	0.0682 ^{DLA}	0.0014	0.0472
Total Haloacetic Acids 5	mg/L	-	0.08	0.137	<0.0054	0.120
Monobromoacetic Acid	mg/L	-	-	0.0015	<0.0010	<0.0010
Monochloroacetic Acid	mg/L	-	-	0.0069	<0.0050	0.0063
Trichloroacetic Acid	mg/L	-	-	0.0574 ^{DLA}	<0.0010	0.0648 ^{DLA}

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Polychlorinated Biphenyls (WATER)

		ALS ID		L1030420-1
		Sampled Date		12-JUL-11
		Sampled Time		09:00
		Sample ID		PORTAGE LA PRAIRIE 1 - RAW
Analyte	Unit	Guide Limit #1	Guide Limit #2	
Aroclor 1016	ug/L	-	-	<0.020
Aroclor 1221	ug/L	-	-	<0.020
Aroclor 1232	ug/L	-	-	<0.020
Aroclor 1242	ug/L	-	-	<0.020
Aroclor 1248	ug/L	-	-	<0.020
Aroclor 1254	ug/L	-	-	<0.020
Aroclor 1260	ug/L	-	-	<0.020

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Organochlorine Pesticides (WATER)

		ALS ID		L1030420-1
		Sampled Date		12-JUL-11
		Sampled Time		09:00
		Sample ID		PORTAGE LA PRAIRIE 1 - RAW
Analyte	Unit	Guide Limit #1	Guide Limit #2	
Aldrin	ug/L	-	-	<0.010
alpha-BHC	ug/L	-	-	<0.010
beta-BHC	ug/L	-	-	<0.010
Lindane	ug/L	-	-	<0.010
delta-BHC	ug/L	-	-	<0.010
a-chlordane	ug/L	-	-	<0.010
g-chlordane	ug/L	-	-	<0.010
op-DDD	ug/L	-	-	<0.010
pp-DDD	ug/L	-	-	<0.010
o,p-DDE	ug/L	-	-	<0.010
pp-DDE	ug/L	-	-	<0.010
op-DDT	ug/L	-	-	<0.010
pp-DDT	ug/L	-	-	<0.010
Dieldrin	ug/L	-	-	<0.010
alpha-Endosulfan	ug/L	-	-	<0.010
beta-Endosulfan	ug/L	-	-	<0.010
Endrin	ug/L	-	-	<0.010
Heptachlor	ug/L	-	-	<0.010
Heptachlor Epoxide	ug/L	-	-	<0.010
Methoxychlor	ug/L	-	900	<0.010
Mirex	ug/L	-	-	<0.010
Surrogate: 2-Fluorobiphenyl	%	-	-	45
Surrogate: d14-Terphenyl	%	-	-	59

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Herbicides (WATER)

		ALS ID		L1030420-1
		Sampled Date		12-JUL-11
		Sampled Time		09:00
		Sample ID		PORTAGE LA PRAIRIE 1 - RAW
Analyte	Unit	Guide Limit #1	Guide Limit #2	
Bromoxynil	ug/L	-	5	<0.020
2,4-D	ug/L	-	100	<0.050
Dicamba	ug/L	-	120	0.0161
2,4-DB	ug/L	-	-	<0.050
2,4-DP	ug/L	-	-	<0.050
Dinoseb	ug/L	-	10	<0.050
MCPA	ug/L	-	100	0.044
MCPB	ug/L	-	-	<0.050
Mecoprop	ug/L	-	-	<0.050
Picloram	ug/L	-	190	<0.20
2,4,5-T	ug/L	-	-	<0.050
2,4,5-TP	ug/L	-	-	<0.050
Surrogate: 2,4-Dichlorophenylacetic Acid	%	-	-	92

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ANALYTICAL REPORT


Pesticides (WATER)


		ALS ID		L1030420-1
		Sampled Date		12-JUL-11
		Sampled Time		09:00
		Sample ID		PORTAGE LA
Analyte	Unit	Guide Limit #1	Guide Limit #2	PRAIRIE 1 - RAW
Alachlor	ug/L	-	-	<0.10
Atrazine	ug/L	-	-	<0.10
Azinphos-methyl	ug/L	-	20	<0.10
Carbofuran	ug/L	-	90	<0.20
Chlorothalonil	ug/L	-	-	<0.060
Chlorpyrifos	ug/L	-	90	<0.10
Diazinon	ug/L	-	20	<0.10
Dimethoate	ug/L	-	20	<0.10
Eptam	ug/L	-	-	<0.20
Parathion	ug/L	-	-	<0.10
Malathion	ug/L	-	190	<0.10
Diclofop-methyl	ug/L	-	9	<0.10
Methyl Parathion	ug/L	-	-	<0.10
Metribuzin	ug/L	-	80	<0.20
Propachlor	ug/L	-	-	<0.20
Propanil	ug/L	-	-	<0.20
Propoxur	ug/L	-	-	<0.20
Simazine	ug/L	-	10	<0.10
Terbufos	ug/L	-	1	<0.10
Triallate	ug/L	-	-	<0.10
Triclopyr	ug/L	-	-	<0.050
Trifluralin	ug/L	-	45	<0.030
Surrogate: 2-Fluorobiphenyl	%	-	-	46
Surrogate: d14-Terphenyl	%	-	-	64

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Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TOT-WP	Water	Alkalinity	APHA 2320B
Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of water. It is determined by titration with a standard solution of strong mineral acid to the successive HCO ₃ ⁻ and H ₂ CO ₃ endpoints indicated electrometrically.			
BR-IC-WP	Water	Bromide	EPA 300.1 IC
This analysis is carried out using procedures adapted from EPA Method 300.1 "Determination of Inorganic Anions in Drinking Water by Ion Chromatography".			
BRO3-IND-ED	Water	Bromate	EPA 300-Ion Chromatography
C-TC,TIC,TOC-WP	Water	Carbons	APHA 5310 B-INSTRUMENTAL
This method is applicable to the analysis of ground water, wastewater, and surface water samples. The form detected depends upon sample pretreatment: Unfiltered sample = TC, 0.45um filtered = TDC. Samples are injected into a combustion tube containing an oxidation catalyst. The carrier gas containing the combustion product from the combustion tube flows through an inorganic carbon reactor vessel and is then sent through a halogen scrubber into a sample cell set in a non-dispersive infrared gas analyzer (NDIR) where carbon dioxide is detected. For total inorganic carbon and dissolved inorganic carbon, the sample is injected into an IC reactor vessel where only the IC component is decomposed to become carbon dioxide.			
The peak area generated by the NDIR indicates the TC/TDC or TIC/DIC as applicable. The total organic carbon content of the sample is calculated by subtracting the TIC from the TC. TOC = TC-TIC, DOC = TDC-DIC, Particulate = Total - Dissolved.			
CL-L-IC-WP	Water	Chloride	EPA 300.1 IC
This analysis is carried out using procedures adapted from EPA Method 300.1 "Determination of Inorganic Anions in Drinking Water by Ion Chromatography".			
COLOUR-TRUE-WP	Water	Colour, True	APHA 2120C
True colour in water is analyzed by discrete analyzer using the platinum-cobalt colourimetric method. Colour is pH dependant; unless otherwise indicated, reported colour results pertain to the pH of the sample as received to within +/- 1 pH unit.			
EC-WP	Water	Conductivity	APHA 2510B
Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.			
ETL-LANGELIER-4-WP	Water	Langelier Index 4C	Calculated
ETL-LANGELIER-60-WP	Water	Langelier Index 60C	Calculated
F-L-IC-WP	Water	Fluoride	EPA 300.1 IC
This analysis is carried out using procedures adapted from EPA Method 300.1 "Determination of Inorganic Anions in Drinking Water by Ion Chromatography".			
HAA-WP	Water	Haloacetic Acids	EPA 552.2
An aliquot of sample is acidified and shaken with MTBE. After extraction, the solvent is esterified with acidic methanol and analyzed using a gas chromatograph equipped with an electron capture detector.			
HAA5-SUM-CALC-WP	Water	Total Haloacetic Acids 5 (HAA5)	Calculation
Total Haloacetic Acids 5 (HAA5) represents the sum of monobromoacetic acid, monochloroacetic acid, dibromoacetic acid, dichloroacetic acid and trichloroacetic acid. For the purpose of calculation, results less than the detection limit (DL) are treated as zero.			
IONBALANCE-WP	Water	Ion Balance Calculation	APHA 1030E
MB-PAHERB-12-WT	Water	Phenoxy Acid Herbicides	SW846 8270
Herbicides are extracted from an aqueous sample using separate aliquots of solvent, extracts are concentrated down to a certain volume and analyzed on the GC/MSD.			
MB-PEST-MISC-12-WT	Water	Miscellaneous Pesticides	SW846 8270

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
		Pesticides are extracted from an aqueous sample using separate aliquots of solvent, extracts are concentrated down to a certain volume and analyzed on the GC/MSD.	
MB-PESTOC-12-WT	Water	Organochlorine Pesticides	SW846 8270
		Pesticides are extracted from an aqueous sample using separate aliquots of solvent, extracts are concentrated down to a certain volume and analyzed on the GC/MSD.	
MET-T-L-MS-WP	Water	Total Metals by ICP-MS	U.S. EPA 200.8-TL
		Total Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the examination of Water and Wastewater Method 3030E and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.	
N-TOTKJ-WP	Water	Total Kjeldahl Nitrogen	Quickchem method 10-107-06-2-E Lachat
		Samples are digested with a sulphuric acid solution, cooled, diluted with water, and analyzed for ammonia. Total Kjeldahl nitrogen is the sum of free-ammonia and organic nitrogen compounds which are converted to ammonium sulphate through this digestion process. Analysis is performed by Flow Injection Analysis (FIA). The pH of the digested sample is raised to a known, basic pH by neutralization with a concentrated buffer solution. This neutralization converts the ammonium cation to ammonia. The ammonia produced is heated with salicylate and hypochlorite to produce blue colour which is proportional to the ammonia concentration.	
N2N3-COL-WP	Water	Nitrate + Nitrite	APHA4500;2005/LACHAT;1997,1999
		The sample is passed through a column containing cadmium granules coated with copper sulphate, reducing nitrate to nitrite. The resulting nitrites plus those originally present in the sample are reacted with sulfanilamide (an organic amine) to form the diazonium salt which is coupled in an acidic solution with N-(1-naphthyl)-ethylenediamine dihydrochloride, to form azo dye. The azo dye intensity is measured by a colorimeter at 520 nm, The Omnion software compares the sample peak areas to a calibration curve and reports the concentration of nitrate-nitrite in the sample as nitrogen.	
		Reference: APHA, AWWA, WPCF, Standard Methods for the Examination of Water and Wastewaters, 20th Edition, Washington, 1998. Method 4500-NO3-I	
NH3-L-COL-WP	Water	Ammonia by colour	APHA 4500 NH3 F
		Ammonia in water samples forms indophenol when reacted with hypochlorite and phenol. The intensity is amplified by the addition of sodium nitroprusside and measured colourmetrically.	
PCB9-WT	Water	PCBs	SW846 8270
		PCBs are extracted from an aqueous sample at neutral pH with aliquots of dichloromethane using a modified separatory funnel technique. The extracts are analyzed by GC/MSD.	
PEST-1-LCMS-WT	Water	LC/MS-MS Pesticide List 1	LC/MS-MS
		An aliquot of filtered sample containing 5% organic is injected directly. Each compound is separated by reversed phase HPLC. Analyzed by Electro Spray Ionization MS/MS detection using Triple Quadrupole MS/MS detector. Quantitation with internal or external standard.	
PEST-2-LCMS-WT	Water	LC/MS-MS Pesticide List 2	LC/MS-MS
		An aliquot of filtered sample containing 5% organic is injected directly. Each compound is separated by reversed phase HPLC. Analyzed by Electro Spray Ionization MS/MS detection using Triple Quadrupole MS/MS detector. Quantitation with internal or external standard.	
PH-WP	Water	pH	APHA 4500H
		The pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode.	
SO4-IC-WP	Water	Sulfate	EPA 300.1 IC
		This analysis is carried out using procedures adapted from EPA Method 300.1 "Determination of Inorganic Anions in Drinking Water by Ion Chromatography".	
SOLIDS-TDS-WP	Water	Total Dissolved Solids	APHA 2540C
		The residue remaining in a prepared casserole after passing the sample through a 1.2 um Whatman GF/C glass microfibre filter and drying at 180 degrees C. Samples may be dried at 105 degrees C if the client specifically requests this drying temperature.	
THM-PRES-WP	Water	THM preserved	EPA SW846 8260B REV 2 (PRES)
		Samples are extracted by purging the sample with helium and trapping the extractives onto an adsorbent. Analysis is performed using a gas chromatograph equipped with a mass selective detector.	
THM-SUM-CALC-WP	Water	Total Trihalomethanes (THMs)	Calculation

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
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Total Trihalomethanes (THMs) represents the sum of bromodichloromethane, bromoform, chlorodibromomethane and chloroform. For the purpose of calculation, results less than the detection limit (DL) are treated as zero.

TURBIDITY-WP	Water	Turbidity	APHA 2130B (modified)
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Turbidity in aqueous matrices is determined by the nephelometric method.

**ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody Numbers:

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
ED	ALS ENVIRONMENTAL - EDMONTON, ALBERTA, CANADA
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA
WP	ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.



Quality Control Report

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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ALK-TOT-WP		Water						
Batch R2218389								
WG1312266-3 CVS								
Alkalinity, Total (as CaCO3)			102		%		85-115	13-JUL-11
WG1312266-6 CVS								
Alkalinity, Total (as CaCO3)			114		%		85-115	13-JUL-11
WG1312266-4 DUP		L1029825-1						
Alkalinity, Total (as CaCO3)		193	193		mg/L	0.062	20	13-JUL-11
Bicarbonate (HCO3)		196	192		mg/L	2.0	25	13-JUL-11
Carbonate (CO3)		18.8	20.8		mg/L	9.9	25	13-JUL-11
Hydroxide (OH)		<0.40	<0.40	RPD-NA	mg/L	N/A	25	13-JUL-11
WG1312266-5 DUP		L1030126-7						
Alkalinity, Total (as CaCO3)		277	277		mg/L	0.073	20	13-JUL-11
Bicarbonate (HCO3)		338	338		mg/L	0.073	25	13-JUL-11
Carbonate (CO3)		<0.60	<0.60	RPD-NA	mg/L	N/A	25	13-JUL-11
Hydroxide (OH)		<0.40	<0.40	RPD-NA	mg/L	N/A	25	13-JUL-11
Batch R2223308								
WG1317845-3 CVS								
Alkalinity, Total (as CaCO3)			101		%		85-115	22-JUL-11
WG1317845-4 DUP		L1034875-1						
Alkalinity, Total (as CaCO3)		205	205		mg/L	0.098	20	22-JUL-11
Bicarbonate (HCO3)		214	214		mg/L	0.073	25	22-JUL-11
Carbonate (CO3)		17.0	16.8		mg/L	1.2	25	22-JUL-11
Hydroxide (OH)		<0.40	<0.40	RPD-NA	mg/L	N/A	25	22-JUL-11
WG1317845-5 DUP		L1034696-1						
Alkalinity, Total (as CaCO3)		327	326		mg/L	0.19	20	22-JUL-11
Bicarbonate (HCO3)		399	398		mg/L	0.19	25	22-JUL-11
Carbonate (CO3)		<0.60	<0.60	RPD-NA	mg/L	N/A	25	22-JUL-11
Hydroxide (OH)		<0.40	<0.40	RPD-NA	mg/L	N/A	25	22-JUL-11
BR-IC-WP		Water						
Batch R2225140								
WG1319883-2 LCS								
Bromide (Br)			94		%		85-115	26-JUL-11
WG1319883-1 MB								
Bromide (Br)			<0.10		mg/L		0.1	26-JUL-11
BRO3-IND-ED		Water						



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 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BRO3-IND-ED								
	Water							
Batch	R2221942							
WG1316371-4	DUP	L1031811-2						
Bromate		<0.010	<0.010	RPD-NA	mg/L	N/A	26	23-JUL-11
WG1316371-2	LCS							
Bromate			92		%		85-115	23-JUL-11
WG1316371-1	MB							
Bromate			<0.010		mg/L		0.01	23-JUL-11
C-TC,TIC,TOC-WP								
	Water							
Batch	R2221904							
WG1316309-4	CVS							
Total Carbon			97		%		80-120	20-JUL-11
Total Inorganic Carbon			95		%		80-120	20-JUL-11
Total Organic Carbon			98		%		80-120	20-JUL-11
WG1316309-1	MB							
Total Carbon			<1.0		mg/L		1	20-JUL-11
Total Inorganic Carbon			<1.0		mg/L		1	20-JUL-11
Total Organic Carbon			<1.0		mg/L		1	20-JUL-11
CL-L-IC-WP								
	Water							
Batch	R2219374							
WG1313327-2	LCS							
Chloride			100		%		85-115	13-JUL-11
WG1313327-1	MB							
Chloride			<0.20		mg/L		0.5	13-JUL-11
COLOUR-TRUE-WP								
	Water							
Batch	R2218777							
WG1312683-3	DUP	L1030126-7						
Colour, True		<5.0	<5.0	RPD-NA	CU	N/A	400	13-JUL-11
WG1312683-4	DUP	L1030815-1						
Colour, True		41.8	42.6		CU	1.9	20	13-JUL-11
WG1312683-2	LCS							
Colour, True			97		%		85-115	13-JUL-11
WG1312683-1	MB							
Colour, True			<5.0		CU		5	13-JUL-11
EC-WP								
	Water							
Batch	R2218389							
WG1312266-1	CVS							
Conductivity			99		%		90-110	13-JUL-11
WG1312266-5	DUP	L1030126-7						



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EC-WP		Water						
Batch	R2218389							
WG1312266-5	DUP	L1030126-7						
Conductivity		552	552		umhos/cm	0.024	10	13-JUL-11
Batch	R2223308							
WG1317845-1	CVS							
Conductivity			98		%		90-110	22-JUL-11
WG1317845-5	DUP	L1034696-1						
Conductivity		560	559		umhos/cm	0.17	10	22-JUL-11
F-L-IC-WP		Water						
Batch	R2219374							
WG1313327-2	LCS							
Fluoride			100		%		85-115	13-JUL-11
WG1313327-1	MB							
Fluoride			<0.020		mg/L		0.1	13-JUL-11
HAA-WP		Water						
Batch	R2225420							
WG1320158-2	CVS							
Monobromoacetic Acid			90		%		50-130	21-JUL-11
Monochloroacetic Acid			98		%		50-130	21-JUL-11
Dibromoacetic Acid			103		%		50-130	21-JUL-11
Dichloroacetic Acid			92		%		50-130	21-JUL-11
Trichloroacetic Acid			112		%		50-130	21-JUL-11
WG1320158-4	CVS							
Monobromoacetic Acid			100		%		50-130	21-JUL-11
Monochloroacetic Acid			102		%		50-130	21-JUL-11
Dibromoacetic Acid			105		%		50-130	21-JUL-11
Dichloroacetic Acid			105		%		50-130	21-JUL-11
Trichloroacetic Acid			112		%		50-130	21-JUL-11
WG1320158-3	DUP	L1031811-2						
Monobromoacetic Acid		<0.0010	<0.0010	RPD-NA	mg/L	N/A	400	21-JUL-11
Monochloroacetic Acid		0.0075	0.0070		mg/L	6.4	400	21-JUL-11
Dibromoacetic Acid		0.0012	0.0011		mg/L	13	400	21-JUL-11
Dichloroacetic Acid		0.114	0.112		mg/L	2.1	40	21-JUL-11
Trichloroacetic Acid		0.0951	0.0753		mg/L	23	40	21-JUL-11
WG1320158-1	MB							
Monobromoacetic Acid			<0.0010		mg/L		0.001	21-JUL-11



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 25 Tupper Street N
 Portage La Prairie MB R1N 3K1
 Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HAA-WP		Water						
Batch	R2225420							
WG1320158-1	MB							
Monochloroacetic Acid			<0.0050		mg/L		0.005	21-JUL-11
Dibromoacetic Acid			<0.0010		mg/L		0.001	21-JUL-11
Dichloroacetic Acid			<0.0010		mg/L		0.001	21-JUL-11
Trichloroacetic Acid			<0.0010		mg/L		0.001	21-JUL-11
MB-PAHERB-12-WT		Water						
Batch	R2226775							
WG1321830-1	CVS							
2,4,5-T			97		%		70-130	29-JUL-11
2,4,5-TP			101		%		70-130	29-JUL-11
2,4-D			101		%		70-130	29-JUL-11
2,4-DB			119		%		50-150	29-JUL-11
2,4-DP			102		%		50-150	29-JUL-11
Bromoxynil			95		%		70-130	29-JUL-11
Dicamba			98		%		70-130	29-JUL-11
Dinoseb			130		%		60-130	29-JUL-11
MCPA			99		%		50-150	29-JUL-11
MCPB			119		%		50-150	29-JUL-11
Mecoprop			98		%		50-150	29-JUL-11
Picloram			97		%		70-130	29-JUL-11
WG1319691-2	LCS							
2,4,5-T			80		%		40-150	29-JUL-11
2,4,5-TP			107		%		50-150	29-JUL-11
2,4-D			104		%		50-160	29-JUL-11
2,4-DB			128		%		50-150	29-JUL-11
2,4-DP			102		%		50-150	29-JUL-11
Bromoxynil			97		%		60-140	29-JUL-11
Dicamba			97		%		30-120	29-JUL-11
Dinoseb			108		%		30-150	29-JUL-11
MCPA			101		%		50-150	29-JUL-11
MCPB			127		%		50-150	29-JUL-11
Mecoprop			107		%		50-150	29-JUL-11
Picloram			57		%		25-150	29-JUL-11
WG1319691-3	LCSD	WG1319691-2						
2,4,5-T		80	76		%	4.9	50	29-JUL-11



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MB-PAHERB-12-WT		Water						
Batch R2226775								
WG1319691-3	LCSD	WG1319691-2						
2,4,5-TP		107	110		%	3.3	50	29-JUL-11
2,4-D		104	98		%	5.6	50	29-JUL-11
2,4-DB		128	130		%	1.8	50	29-JUL-11
2,4-DP		102	101		%	0.97	50	29-JUL-11
Bromoxynil		97	95		%	2.0	50	29-JUL-11
Dicamba		97	95		%	1.5	50	29-JUL-11
Dinoseb		108	105		%	3.0	50	29-JUL-11
MCPA		101	97		%	3.3	50	29-JUL-11
MCPB		127	130		%	2.7	50	29-JUL-11
Mecoprop		107	106		%	0.68	50	29-JUL-11
Picloram		57	50		%	13	50	29-JUL-11
WG1319691-1 MB								
2,4,5-T			<0.050		ug/L		0.5	29-JUL-11
2,4,5-TP			<0.050		ug/L		0.5	29-JUL-11
2,4-D			<0.050		ug/L		0.5	29-JUL-11
2,4-DB			<0.050		ug/L		0.05	29-JUL-11
2,4-DP			<0.050		ug/L		0.05	29-JUL-11
Bromoxynil			<0.020		ug/L		0.5	29-JUL-11
Dicamba			<0.0060		ug/L		0.5	29-JUL-11
Dinoseb			<0.050		ug/L		0.5	29-JUL-11
MCPA			<0.025		ug/L		0.5	29-JUL-11
MCPB			<0.050		ug/L		0.05	29-JUL-11
Mecoprop			<0.050		ug/L		0.5	29-JUL-11
Picloram			<0.20		ug/L		0.5	29-JUL-11
Surrogate: 2,4-Dichlorophenylacetic Acid			108		%		50-130	29-JUL-11
MB-PEST-MISC-12-WT		Water						
Batch R2226067								
WG1320434-1	CVS							
Alachlor			102		%		60-140	28-JUL-11
Atrazine			104		%		70-130	28-JUL-11
Azinphos-methyl			95		%		60-140	28-JUL-11
Carbofuran			86		%		70-130	28-JUL-11
Chlorpyrifos			104		%		70-130	28-JUL-11



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1
 Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MB-PEST-MISC-12-WT		Water						
Batch	R2226067							
WG1320434-1	CVS							
Diazinon			124		%		70-130	28-JUL-11
Diclofop-methyl			108		%		70-130	28-JUL-11
Dimethoate			104		%		60-140	28-JUL-11
Malathion			95		%		60-130	28-JUL-11
Methyl Parathion			92		%		50-150	28-JUL-11
Metribuzin			97		%		60-150	28-JUL-11
Parathion			99		%		70-130	28-JUL-11
Simazine			104		%		70-130	28-JUL-11
Terbufos			103		%		70-140	28-JUL-11
Triallate			105		%		70-130	28-JUL-11
Trifluralin			106		%		60-130	28-JUL-11
WG1319688-2	LCS							
Alachlor			122		%		50-140	28-JUL-11
Atrazine			117		%		50-150	28-JUL-11
Azinphos-methyl			112		%		30-150	28-JUL-11
Carbofuran			103		%		40-160	28-JUL-11
Chlorpyrifos			114		%		50-140	28-JUL-11
Diazinon			155	G	%		50-150	28-JUL-11
Diclofop-methyl			131		%		60-150	28-JUL-11
Dimethoate			103		%		50-120	28-JUL-11
Malathion			109		%		50-140	28-JUL-11
Methyl Parathion			99		%		50-150	28-JUL-11
Metribuzin			109		%		50-150	28-JUL-11
Parathion			112		%		50-150	28-JUL-11
Simazine			113		%		50-140	28-JUL-11
Terbufos			101		%		40-160	28-JUL-11
Triallate			112		%		60-140	28-JUL-11
Trifluralin			110		%		40-130	28-JUL-11
COMMENTS: Due to the number of analytes, 10% may exceed QC limits. Analyte not present in related samples.								
WG1319688-3	LCSD	WG1319688-2						
Alachlor		122	106		%	14	50	28-JUL-11
Atrazine		117	100		%	16	50	28-JUL-11
Azinphos-methyl		112	109		%	2.6	50	28-JUL-11
Carbofuran		103	101		%	1.9	50	28-JUL-11



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MB-PEST-MISC-12-WT		Water						
Batch R2226067								
WG1319688-3	LCSD	WG1319688-2						
Chlorpyrifos		114	101		%	12	50	28-JUL-11
Diazinon		155	134		%	15	50	28-JUL-11
Diclofop-methyl		131	110		%	17	50	28-JUL-11
Dimethoate		103	96		%	7.3	50	28-JUL-11
Malathion		109	95		%	14	50	28-JUL-11
Methyl Parathion		99	89		%	11	50	28-JUL-11
Metribuzin		109	99		%	10	45	28-JUL-11
Parathion		112	100		%	12	50	28-JUL-11
Simazine		113	99		%	13	50	28-JUL-11
Terbufos		101	91		%	11	50	28-JUL-11
Triallate		112	98		%	13	50	28-JUL-11
Trifluralin		110	94		%	16	50	28-JUL-11
WG1319688-1	MB							
Alachlor			<0.10		ug/L		0.1	28-JUL-11
Atrazine			<0.10		ug/L		0.1	28-JUL-11
Azinphos-methyl			<0.10		ug/L		0.1	28-JUL-11
Carbofuran			<0.20		ug/L		0.2	28-JUL-11
Chlorpyrifos			<0.10		ug/L		0.1	28-JUL-11
Diazinon			<0.10		ug/L		0.1	28-JUL-11
Diclofop-methyl			<0.10		ug/L		0.1	28-JUL-11
Dimethoate			<0.10		ug/L		0.1	28-JUL-11
Malathion			<0.10		ug/L		0.1	28-JUL-11
Methyl Parathion			<0.10		ug/L		0.1	28-JUL-11
Metribuzin			<0.20		ug/L		1	28-JUL-11
Parathion			<0.10		ug/L		0.1	28-JUL-11
Simazine			<0.10		ug/L		0.1	28-JUL-11
Terbufos			<0.10		ug/L		0.1	28-JUL-11
Triallate			<0.10		ug/L		0.1	28-JUL-11
Trifluralin			<0.030		ug/L		0.1	28-JUL-11
Surrogate: 2-Fluorobiphenyl			35		%		30-130	28-JUL-11
Surrogate: d14-Terphenyl			42		%		50-150	28-JUL-11

MB-PESTOC-12-WT **Water**



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MB-PESTOC-12-WT	Water							
Batch	R2226875							
WG1320433-1	CVS							
Aldrin			57	G	%		70-130	29-JUL-11
alpha-BHC			105		%		70-130	29-JUL-11
beta-BHC			103		%		70-130	29-JUL-11
delta-BHC			105		%		70-130	29-JUL-11
a-chlordane			100		%		70-130	29-JUL-11
g-chlordane			101		%		70-130	29-JUL-11
op-DDD			100		%		70-130	29-JUL-11
pp-DDD			107		%		70-130	29-JUL-11
o,p-DDE			100		%		70-130	29-JUL-11
pp-DDE			109		%		70-130	29-JUL-11
op-DDT			95		%		70-130	29-JUL-11
pp-DDT			107		%		70-130	29-JUL-11
Dieldrin			148	G	%		70-130	29-JUL-11
alpha-Endosulfan			74		%		70-130	29-JUL-11
beta-Endosulfan			80		%		70-130	29-JUL-11
Endrin			112		%		70-130	29-JUL-11
Heptachlor			105		%		70-130	29-JUL-11
Heptachlor Epoxide			107		%		70-130	29-JUL-11
Lindane			106		%		70-130	29-JUL-11
Methoxychlor			108		%		70-130	29-JUL-11
Mirex			101		%		70-130	29-JUL-11
COMMENTS: Due to the number of analytes, 10% may exceed QC limits. Analyte not present in related samples.								
WG1319688-2	LCS							
Aldrin			56		%		20-130	29-JUL-11
alpha-BHC			110		%		50-140	29-JUL-11
beta-BHC			112		%		50-150	29-JUL-11
delta-BHC			114		%		50-150	29-JUL-11
a-chlordane			109		%		50-150	29-JUL-11
g-chlordane			113		%		50-150	29-JUL-11
op-DDD			112		%		50-150	29-JUL-11
pp-DDD			121		%		50-150	29-JUL-11
o,p-DDE			110		%		40-150	29-JUL-11
pp-DDE			118		%		40-150	29-JUL-11
op-DDT			102		%		50-150	29-JUL-11



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MB-PESTOC-12-WT	Water							
Batch	R2226875							
WG1319688-2	LCS							
pp-DDT			116		%		50-150	29-JUL-11
Dieldrin			158	G	%		50-150	29-JUL-11
alpha-Endosulfan			78		%		50-150	29-JUL-11
beta-Endosulfan			83		%		50-150	29-JUL-11
Endrin			103		%		50-150	29-JUL-11
Heptachlor			109		%		50-150	29-JUL-11
Heptachlor Epoxide			119		%		50-150	29-JUL-11
Lindane			105		%		50-150	29-JUL-11
Methoxychlor			109		%		50-150	29-JUL-11
Mirex			102		%		40-150	29-JUL-11
COMMENTS: Due to the number of analytes, 10% may exceed QC limits. Analyte not present in related samples.								
WG1319688-1	MB							
Aldrin			<0.010		ug/L		0.01	29-JUL-11
alpha-BHC			<0.010		ug/L		0.01	29-JUL-11
beta-BHC			<0.010		ug/L		0.01	29-JUL-11
delta-BHC			<0.010		ug/L		0.01	29-JUL-11
a-chlordane			<0.010		ug/L		0.01	29-JUL-11
g-chlordane			<0.010		ug/L		0.01	29-JUL-11
op-DDD			<0.010		ug/L		0.01	29-JUL-11
pp-DDD			<0.010		ug/L		0.01	29-JUL-11
o,p-DDE			<0.010		ug/L		0.01	29-JUL-11
pp-DDE			<0.010		ug/L		0.01	29-JUL-11
op-DDT			<0.010		ug/L		0.01	29-JUL-11
pp-DDT			<0.010		ug/L		0.01	29-JUL-11
Dieldrin			<0.010		ug/L		0.01	29-JUL-11
alpha-Endosulfan			<0.010		ug/L		0.01	29-JUL-11
beta-Endosulfan			<0.010		ug/L		0.01	29-JUL-11
Endrin			<0.010		ug/L		0.01	29-JUL-11
Heptachlor			<0.010		ug/L		0.01	29-JUL-11
Heptachlor Epoxide			<0.010		ug/L		0.01	29-JUL-11
Lindane			<0.010		ug/L		0.01	29-JUL-11
Methoxychlor			<0.010		ug/L		0.01	29-JUL-11
Mirex			<0.010		ug/L		0.01	29-JUL-11
Surrogate: 2-Fluorobiphenyl			33		%		30-130	29-JUL-11



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Client: Office of Drinking Water
 25 Tupper Street N
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Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MB-PESTOC-12-WT	Water							
Batch R2226875								
WG1319688-1 MB								
Surrogate: d14-Terphenyl			39		%		50-150	29-JUL-11
MET-T-L-MS-WP	Water							
Batch R2219039								
WG1312343-4 DUP		WG1312343-3						
Aluminum (Al)-Total		0.0264	0.0249		mg/L	5.7	20	14-JUL-11
Antimony (Sb)-Total		0.00071	0.00069		mg/L	2.6	400	14-JUL-11
Arsenic (As)-Total		0.00048	0.00046		mg/L	4.1	400	14-JUL-11
Barium (Ba)-Total		0.0360	0.0350		mg/L	2.9	20	14-JUL-11
Beryllium (Be)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Bismuth (Bi)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Boron (B)-Total		0.065	0.063		mg/L	2.9	20	14-JUL-11
Cadmium (Cd)-Total		0.000020	0.000019		mg/L	5.1	400	14-JUL-11
Calcium (Ca)-Total		60.6	59.6		mg/L	1.7	20	14-JUL-11
Cesium (Cs)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Chromium (Cr)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	400	14-JUL-11
Cobalt (Co)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Copper (Cu)-Total		0.00512	0.00517		mg/L	0.93	20	14-JUL-11
Iron (Fe)-Total		<0.10	<0.10	RPD-NA	mg/L	N/A	400	14-JUL-11
Lead (Pb)-Total		0.000230	0.000228		mg/L	0.87	400	14-JUL-11
Lithium (Li)-Total		0.0248	0.0254		mg/L	2.1	20	14-JUL-11
Magnesium (Mg)-Total		21.8	20.8		mg/L	4.8	20	14-JUL-11
Manganese (Mn)-Total		0.0154	0.0150		mg/L	2.2	20	14-JUL-11
Molybdenum (Mo)-Total		0.00212	0.00210		mg/L	1.3	20	14-JUL-11
Nickel (Ni)-Total		0.0054	0.0055		mg/L	1.5	400	14-JUL-11
Phosphorus (P)-Total		<0.20	<0.20	RPD-NA	mg/L	N/A	400	14-JUL-11
Potassium (K)-Total		2.52	2.50		mg/L	0.64	20	14-JUL-11
Rubidium (Rb)-Total		0.00256	0.00248		mg/L	2.9	20	14-JUL-11
Selenium (Se)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	400	14-JUL-11
Silicon (Si)-Total		7.78	7.77		mg/L	0.13	20	14-JUL-11
Silver (Ag)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Sodium (Na)-Total		30.2	29.2		mg/L	3.4	20	14-JUL-11
Strontium (Sr)-Total		0.219	0.213		mg/L	2.8	20	14-JUL-11



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Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-MS-WP		Water						
Batch	R2219039							
WG1312343-4	DUP	WG1312343-3						
Tellurium (Te)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Thallium (Tl)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Thorium (Th)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	25	14-JUL-11
Tin (Sn)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Titanium (Ti)-Total		0.00082	0.00078		mg/L	5.4	400	14-JUL-11
Tungsten (W)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	400	14-JUL-11
Uranium (U)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Vanadium (V)-Total		0.00050	0.00051		mg/L	2.2	400	14-JUL-11
Zinc (Zn)-Total		0.0051	<0.0050	RPD-NA	mg/L	N/A	400	14-JUL-11
Zirconium (Zr)-Total		<0.00040	<0.00040	RPD-NA	mg/L	N/A	400	14-JUL-11
WG1312343-6	DUP	WG1312343-5						
Aluminum (Al)-Total		0.0108	0.0099		mg/L	9.1	400	14-JUL-11
Antimony (Sb)-Total		0.00032	0.00031		mg/L	0.95	400	14-JUL-11
Arsenic (As)-Total		0.00127	0.00127		mg/L	0.47	20	14-JUL-11
Barium (Ba)-Total		0.0169	0.0173		mg/L	2.0	20	14-JUL-11
Beryllium (Be)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Bismuth (Bi)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Boron (B)-Total		0.061	0.061		mg/L	1.2	20	14-JUL-11
Cadmium (Cd)-Total		<0.000010	<0.000010	RPD-NA	mg/L	N/A	400	14-JUL-11
Calcium (Ca)-Total		43.5	42.8		mg/L	1.6	20	14-JUL-11
Cesium (Cs)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Chromium (Cr)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	400	14-JUL-11
Cobalt (Co)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Copper (Cu)-Total		0.0124	0.0121		mg/L	2.2	20	14-JUL-11
Iron (Fe)-Total		<0.10	<0.10	RPD-NA	mg/L	N/A	400	14-JUL-11
Lead (Pb)-Total		0.000097	0.000099		mg/L	2.0	400	14-JUL-11
Lithium (Li)-Total		0.0513	0.0535		mg/L	4.1	20	14-JUL-11
Magnesium (Mg)-Total		13.2	13.1		mg/L	0.48	20	14-JUL-11
Manganese (Mn)-Total		0.00032	<0.00030	RPD-NA	mg/L	N/A	400	14-JUL-11
Molybdenum (Mo)-Total		0.00305	0.00302		mg/L	0.82	20	14-JUL-11
Phosphorus (P)-Total		0.47	0.48		mg/L	0.33	400	14-JUL-11
Potassium (K)-Total		16.0	16.1		mg/L	0.95	20	14-JUL-11
Rubidium (Rb)-Total		0.00425	0.00426		mg/L	0.14	20	14-JUL-11



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 25 Tupper Street N
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Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-MS-WP		Water						
Batch	R2219039							
WG1312343-6	DUP	WG1312343-5						
Selenium (Se)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	400	14-JUL-11
Silicon (Si)-Total		2.58	2.52		mg/L	2.5	20	14-JUL-11
Silver (Ag)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Sodium (Na)-Total		83.5	84.2		mg/L	0.83	20	14-JUL-11
Strontium (Sr)-Total		0.156	0.156		mg/L	0.41	20	14-JUL-11
Tellurium (Te)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Thallium (Tl)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Thorium (Th)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	25	14-JUL-11
Tin (Sn)-Total		<0.00020	<0.00020	RPD-NA	mg/L	N/A	400	14-JUL-11
Titanium (Ti)-Total		0.00115	0.00101		mg/L	13	20	14-JUL-11
Tungsten (W)-Total		<0.0010	<0.0010	RPD-NA	mg/L	N/A	400	14-JUL-11
Uranium (U)-Total		<0.00010	<0.00010	RPD-NA	mg/L	N/A	400	14-JUL-11
Vanadium (V)-Total		0.00073	0.00071		mg/L	1.8	400	14-JUL-11
Zinc (Zn)-Total		<0.0050	<0.0050	RPD-NA	mg/L	N/A	400	14-JUL-11
Zirconium (Zr)-Total		<0.00040	<0.00040	RPD-NA	mg/L	N/A	400	14-JUL-11
WG1312343-2	LCS							
Aluminum (Al)-Total			100		%		80-120	14-JUL-11
Antimony (Sb)-Total			101		%		80-120	14-JUL-11
Arsenic (As)-Total			101		%		80-120	14-JUL-11
Barium (Ba)-Total			100		%		80-120	14-JUL-11
Beryllium (Be)-Total			101		%		80-120	14-JUL-11
Bismuth (Bi)-Total			100		%		80-120	14-JUL-11
Boron (B)-Total			97		%		80-120	14-JUL-11
Cadmium (Cd)-Total			99		%		80-120	14-JUL-11
Calcium (Ca)-Total			101		%		80-120	14-JUL-11
Cesium (Cs)-Total			104		%		80-120	14-JUL-11
Chromium (Cr)-Total			103		%		80-120	14-JUL-11
Cobalt (Co)-Total			104		%		80-120	14-JUL-11
Copper (Cu)-Total			102		%		80-120	14-JUL-11
Iron (Fe)-Total			101		%		80-120	14-JUL-11
Lead (Pb)-Total			99		%		80-120	14-JUL-11
Lithium (Li)-Total			99		%		80-120	14-JUL-11
Magnesium (Mg)-Total			101		%		80-120	14-JUL-11



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-MS-WP		Water						
Batch	R2219039							
WG1312343-2	LCS							
Manganese (Mn)-Total			102		%		80-120	14-JUL-11
Molybdenum (Mo)-Total			102		%		80-120	14-JUL-11
Nickel (Ni)-Total			102		%		80-120	14-JUL-11
Phosphorus (P)-Total			106		%		80-120	14-JUL-11
Potassium (K)-Total			101		%		80-120	14-JUL-11
Rubidium (Rb)-Total			102		%		80-120	14-JUL-11
Selenium (Se)-Total			99		%		80-120	14-JUL-11
Silicon (Si)-Total			109		%		80-120	14-JUL-11
Silver (Ag)-Total			100		%		80-120	14-JUL-11
Sodium (Na)-Total			103		%		80-120	14-JUL-11
Strontium (Sr)-Total			100		%		80-120	14-JUL-11
Tellurium (Te)-Total			106		%		80-120	14-JUL-11
Thallium (Tl)-Total			102		%		80-120	14-JUL-11
Thorium (Th)-Total			104		%		70-130	14-JUL-11
Tin (Sn)-Total			101		%		80-120	14-JUL-11
Titanium (Ti)-Total			103		%		80-120	14-JUL-11
Tungsten (W)-Total			102		%		80-120	14-JUL-11
Uranium (U)-Total			103		%		80-120	14-JUL-11
Vanadium (V)-Total			104		%		80-120	14-JUL-11
Zinc (Zn)-Total			100		%		80-120	14-JUL-11
Zirconium (Zr)-Total			101		%		80-120	14-JUL-11
WG1312343-1	MB							
Aluminum (Al)-Total			<0.0050		mg/L		0.02	14-JUL-11
Antimony (Sb)-Total			<0.00020		mg/L		0.001	14-JUL-11
Arsenic (As)-Total			<0.00020		mg/L		0.001	14-JUL-11
Barium (Ba)-Total			<0.00020		mg/L		0.0005	14-JUL-11
Beryllium (Be)-Total			<0.00020		mg/L		0.001	14-JUL-11
Bismuth (Bi)-Total			<0.00020		mg/L		0.0005	14-JUL-11
Boron (B)-Total			<0.010		mg/L		0.03	14-JUL-11
Cadmium (Cd)-Total			<0.000010		mg/L		0.0002	14-JUL-11
Calcium (Ca)-Total			<0.10		mg/L		0.2	14-JUL-11
Cesium (Cs)-Total			<0.00010		mg/L		0.0005	14-JUL-11
Chromium (Cr)-Total			<0.0010		mg/L		0.002	14-JUL-11
Cobalt (Co)-Total			<0.00020		mg/L		0.0005	14-JUL-11



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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-T-L-MS-WP		Water						
Batch	R2219039							
WG1312343-1	MB							
Copper (Cu)-Total			<0.00020		mg/L		0.002	14-JUL-11
Iron (Fe)-Total			<0.10		mg/L		0.1	14-JUL-11
Lead (Pb)-Total			<0.000090		mg/L		0.001	14-JUL-11
Lithium (Li)-Total			<0.0020		mg/L		0.002	14-JUL-11
Magnesium (Mg)-Total			<0.010		mg/L		0.05	14-JUL-11
Manganese (Mn)-Total			<0.00030		mg/L		0.001	14-JUL-11
Molybdenum (Mo)-Total			<0.00020		mg/L		0.0005	14-JUL-11
Nickel (Ni)-Total			<0.0020		mg/L		0.002	14-JUL-11
Phosphorus (P)-Total			<0.20		mg/L		0.5	14-JUL-11
Potassium (K)-Total			<0.020		mg/L		0.1	14-JUL-11
Rubidium (Rb)-Total			<0.00020		mg/L		0.0005	14-JUL-11
Selenium (Se)-Total			<0.0010		mg/L		0.005	14-JUL-11
Silicon (Si)-Total			<0.050		mg/L		0.3	14-JUL-11
Silver (Ag)-Total			<0.00010		mg/L		0.001	14-JUL-11
Sodium (Na)-Total			<0.030		mg/L		0.05	14-JUL-11
Strontium (Sr)-Total			<0.00010		mg/L		0.0005	14-JUL-11
Tellurium (Te)-Total			<0.00020		mg/L		0.001	14-JUL-11
Thallium (Tl)-Total			<0.00010		mg/L		0.005	14-JUL-11
Thorium (Th)-Total			<0.00010		mg/L		0.0001	14-JUL-11
Tin (Sn)-Total			<0.00020		mg/L		0.0006	14-JUL-11
Titanium (Ti)-Total			<0.00020		mg/L		0.001	14-JUL-11
Tungsten (W)-Total			<0.0010		mg/L		0.002	14-JUL-11
Uranium (U)-Total			<0.00010		mg/L		0.0005	14-JUL-11
Vanadium (V)-Total			<0.00020		mg/L		0.002	14-JUL-11
Zinc (Zn)-Total			<0.0050		mg/L		0.02	14-JUL-11
Zirconium (Zr)-Total			<0.00040		mg/L		0.001	14-JUL-11
N-TOTKJ-WP		Water						
Batch	R2218666							
WG1312586-1	CVS							
Total Kjeldahl Nitrogen			97		%		90-110	14-JUL-11
WG1312720-4	DUP	L1029776-12						
Total Kjeldahl Nitrogen		<0.20	<0.20	RPD-NA	mg/L	N/A	20	14-JUL-11
WG1312720-7	DUP	L1029825-1						
Total Kjeldahl Nitrogen		2.49	2.35		mg/L	5.8	20	14-JUL-11



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Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
N-TOTKJ-WP		Water						
Batch	R2218666							
WG1312720-2	LCS							
Total Kjeldahl Nitrogen			100		%		75-125	14-JUL-11
WG1312720-1	MB							
Total Kjeldahl Nitrogen			<0.20		mg/L		0.2	14-JUL-11
WG1312720-5	MB							
Total Kjeldahl Nitrogen			<0.20		mg/L		0.2	14-JUL-11
WG1312720-3	MS	L1029776-12						
Total Kjeldahl Nitrogen			86		%		70-130	14-JUL-11
WG1312720-6	MS	L1029825-1						
Total Kjeldahl Nitrogen			N/A	MS-B	%		-	14-JUL-11
N2N3-COL-WP		Water						
Batch	R2220294							
WG1314381-3	DUP	L1028416-1						
Nitrate and Nitrite as N		3.00	3.01		mg/L	0.52	20	18-JUL-11
WG1314381-5	DUP	L1030463-1						
Nitrate and Nitrite as N		<0.050	<0.050	RPD-NA	mg/L	N/A	20	18-JUL-11
WG1314381-7	DUP	L1030851-1						
Nitrate and Nitrite as N		0.316	0.315		mg/L	0.19	20	18-JUL-11
WG1314381-9	DUP	L1031225-1						
Nitrate and Nitrite as N		<0.050	<0.050	RPD-NA	mg/L	N/A	20	18-JUL-11
WG1314381-2	LCS							
Nitrate and Nitrite as N			103		%		85-115	18-JUL-11
WG1314381-1	MB							
Nitrate and Nitrite as N			<0.050		mg/L		0.05	18-JUL-11
WG1314381-10	MS	L1031225-1						
Nitrate and Nitrite as N			92		%		75-125	18-JUL-11
WG1314381-4	MS	L1028416-1						
Nitrate and Nitrite as N			N/A	MS-B	%		-	18-JUL-11
WG1314381-6	MS	L1030463-1						
Nitrate and Nitrite as N			91		%		75-125	18-JUL-11
WG1314381-8	MS	L1030851-1						
Nitrate and Nitrite as N			N/A	MS-B	%		-	18-JUL-11
NH3-L-COL-WP		Water						
Batch	R2224549							
WG1319188-3	DUP	L1035494-1						
Ammonia as N		0.077	0.076		mg/L	1.8	20	26-JUL-11
WG1319188-2	LCS							
Ammonia as N			100		%		85-115	26-JUL-11



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Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
NH3-L-COL-WP								
	Water							
Batch	R2224549							
WG1319188-1	MB							
Ammonia as N			<0.010		mg/L		0.01	26-JUL-11
WG1319188-4	MS	L1030509-1						
Ammonia as N			95		%		75-125	26-JUL-11
PCB9-WT								
	Water							
Batch	R2226839							
WG1320748-1	CVS							
Aroclor 1242			87		%		70-130	28-JUL-11
Aroclor 1248			92		%		70-130	28-JUL-11
Aroclor 1254			86		%		70-130	28-JUL-11
Aroclor 1260			112		%		70-130	28-JUL-11
WG1319688-2	LCS							
Aroclor 1242			96		%		40-130	28-JUL-11
Aroclor 1248			95		%		40-130	28-JUL-11
Aroclor 1254			91		%		60-140	28-JUL-11
Aroclor 1260			106		%		60-140	28-JUL-11
WG1319688-3	LCSD	WG1319688-2						
Aroclor 1242		96	94		%	1.7	50	28-JUL-11
Aroclor 1248		95	95		%	0.0	45	28-JUL-11
Aroclor 1254		91	91		%	0.58	45	28-JUL-11
Aroclor 1260		106	106		%	0.13	45	28-JUL-11
WG1319688-1	MB							
Aroclor 1016			<0.020		ug/L		0.02	28-JUL-11
Aroclor 1221			<0.020		ug/L		0.2	28-JUL-11
Aroclor 1232			<0.020		ug/L		0.2	28-JUL-11
Aroclor 1242			<0.020		ug/L		0.02	28-JUL-11
Aroclor 1248			<0.020		ug/L		0.02	28-JUL-11
Aroclor 1254			<0.020		ug/L		0.02	28-JUL-11
Aroclor 1260			<0.020		ug/L		0.02	28-JUL-11
PEST-1-LCMS-WT								
	Water							
Batch	R2221366							
WG1314066-2	CVS							
Eptam			101		%		50-150	18-JUL-11
Propachlor			106		%		50-150	18-JUL-11
Propanil			103		%		50-150	18-JUL-11



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PEST-1-LCMS-WT		Water						
Batch	R2221366							
WG1314066-2	CVS							
Propoxur			97		%		50-150	18-JUL-11
WG1314066-3	DUP	L1029747-1						
Eptam		<0.20	<0.20	RPD-NA	ug/L	N/A	50	18-JUL-11
Propachlor		<0.20	<0.20	RPD-NA	ug/L	N/A	50	18-JUL-11
Propanil		<0.20	<0.20	RPD-NA	ug/L	N/A	50	18-JUL-11
Propoxur		<0.20	<0.20	RPD-NA	ug/L	N/A	50	18-JUL-11
WG1314066-1	MB							
Eptam			<0.20		ug/L		0.2	18-JUL-11
Propachlor			<0.20		ug/L		0.2	18-JUL-11
Propanil			<0.20		ug/L		0.2	18-JUL-11
Propoxur			<0.20		ug/L		0.2	18-JUL-11
PEST-2-LCMS-WT		Water						
Batch	R2220209							
WG1310093-2	CVS							
Triclopyr			105		%		50-150	14-JUL-11
Chlorothalonil			110		%		50-150	14-JUL-11
WG1310093-3	DUP	L1028199-4						
Triclopyr		0.116	0.110		ug/L	5.3	50	14-JUL-11
Chlorothalonil		<0.060	<0.060	RPD-NA	ug/L	N/A	50	14-JUL-11
WG1310093-1	MB							
Triclopyr			<0.050		ug/L		0.05	14-JUL-11
Chlorothalonil			<0.060		ug/L		0.06	14-JUL-11
PH-WP		Water						
Batch	R2218389							
WG1312266-5	DUP	L1030126-7						
pH		7.98	8.00	J	pH units	0.02	0.2	13-JUL-11
WG1312266-2	LCS							
pH			7.38		pH units		7.3-7.5	13-JUL-11
Batch	R2223308							
WG1317845-5	DUP	L1034696-1						
pH		8.22	8.23	J	pH units	0.00	0.2	22-JUL-11
WG1317845-2	LCS							
pH			7.37		pH units		7.3-7.5	22-JUL-11
SO4-IC-WP		Water						



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SO4-IC-WP		Water						
Batch	R2219374							
WG1313327-3	DUP	L1030126-7						
Sulfate		2.20	2.23		mg/L	1.4	20	13-JUL-11
WG1313327-2	LCS							
Sulfate			100		%		85-115	13-JUL-11
WG1313327-1	MB							
Sulfate			<0.50		mg/L		0.5	13-JUL-11
WG1313327-4	MS	L1030126-7						
Sulfate			104		%		75-125	13-JUL-11
SOLIDS-TDS-WP		Water						
Batch	R2219151							
WG1312196-2	CVS							
Total Dissolved Solids			100		%		85-115	14-JUL-11
WG1312196-5	DUP	L1030500-7						
Total Dissolved Solids		434	404		mg/L	7.2	20	14-JUL-11
WG1312196-8	DUP	L1030815-3						
Total Dissolved Solids		780	778		mg/L	0.26	20	14-JUL-11
WG1312196-9	DUP	L1031116-1						
Total Dissolved Solids		1590	1520		mg/L	4.5	20	14-JUL-11
WG1312196-1	MB							
Total Dissolved Solids			<5.0		mg/L		5	14-JUL-11
THM-PRES-WP		Water						
Batch	R2222250							
WG1316655-2	CVS							
Bromodichloromethane			92		%		70-130	20-JUL-11
Bromoform			89		%		70-130	20-JUL-11
Chloroform			100		%		70-130	20-JUL-11
Chlorodibromomethane			89		%		70-130	20-JUL-11
WG1316655-3	DUP	L1031731-2						
Bromodichloromethane		0.00227	0.00220		mg/L	3.1	400	20-JUL-11
Bromoform		<0.00050	<0.00050	RPD-NA	mg/L	N/A	400	20-JUL-11
Chloroform		0.0564	0.0552		mg/L	2.2	30	20-JUL-11
Chlorodibromomethane		<0.00050	<0.00050	RPD-NA	mg/L	N/A	400	20-JUL-11
WG1316655-1	MB							
Bromodichloromethane			<0.00050		mg/L		0.0005	19-JUL-11
Bromoform			<0.00050		mg/L		0.0005	19-JUL-11
Chloroform			<0.00050		mg/L		0.0005	19-JUL-11



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Client: Office of Drinking Water
 25 Tupper Street N
 Portage La Prairie MB R1N 3K1

Contact: John Cronk

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
THM-PRES-WP		Water						
Batch R2222250								
WG1316655-1	MB							
Chlorodibromomethane			<0.00050		mg/L		0.0005	19-JUL-11
Surrogate: Toluene-d8 (SURR)			66		%		50-150	19-JUL-11
TURBIDITY-WP		Water						
Batch R2220837								
WG1315087-3	DUP	L1030399-2						
Turbidity		49.4	49.8		NTU	0.81	15	14-JUL-11
WG1315087-4	DUP	L1030500-7						
Turbidity		9.56	9.55		NTU	0.10	15	14-JUL-11
WG1315087-5	DUP	L1030929-5						
Turbidity		2.00	2.01		NTU	0.50	15	14-JUL-11
WG1315087-6	DUP	L1031122-1						
Turbidity		24.5	24.4		NTU	0.41	15	14-JUL-11
WG1315087-2	LCS							
Turbidity			99		%		85-115	14-JUL-11
WG1315087-1	MB							
Turbidity			<0.10		NTU		0.1	14-JUL-11

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Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
Turbidity	1	12-JUL-11 09:00	14-JUL-11 13:06	48	52	hours	EHT
	2	12-JUL-11 09:00	14-JUL-11 13:06	48	52	hours	EHT
pH	1	12-JUL-11 09:00	13-JUL-11 09:38	0.25	25	hours	EHTR-FM
	2	12-JUL-11 09:00	22-JUL-11 09:30	0.25	240	hours	EHTR-FM
Anions and Nutrients							
Bromide	1	12-JUL-11 09:00	26-JUL-11 12:27	48	339	hours	EHT
Polychlorinated Biphenyls							
PCBs	1	12-JUL-11 09:00	27-JUL-11 06:50	14	15	days	EHT
Organochlorine Pesticides							
Organochlorine Pesticides	1	12-JUL-11 09:00	27-JUL-11 06:50	14	15	days	EHT
Herbicides							
Phenoxy Acid Herbicides	1	12-JUL-11 09:00	27-JUL-11 19:49	14	15	days	EHT
Pesticides							
Miscellaneous Pesticides	1	12-JUL-11 09:00	27-JUL-11 06:50	14	15	days	EHT

Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.
 EHTR: Exceeded ALS recommended hold time prior to sample receipt.
 EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
 EHT: Exceeded ALS recommended hold time prior to analysis.
 Rec. HT: ALS recommended hold time (see units).

Notes*:
 Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
 Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L1030420 were received on 13-JUL-11 08:55.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



6 pesticide bottles
in other cooler ✓

**Manitoba Water Stewardship
Office of Drinking Water**

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

ALS Laboratory Group
1329 Niakwa Rd E, Winnipeg, MB R2J 3T4
(204) 255-9740 or 1-800-607-7555

1007 Century Street, Winnipeg, Manitoba,
Canada R3H 0W4

Report to:			Additional Copy of Report sent to:				Service Requested:																																							
Contact:	John Cronk		Contact:	Office of Drinking Water			<input checked="" type="checkbox"/> Regular Service																																							
Address:	25 Tupper Street N. Portage la Prairie MB R1N 3K1		Address:	1007 Century St. Winnipeg MB R3H 0W4			<input type="checkbox"/> Other:																																							
Phone:	204-239-3186		Phone:	204-945-6279			<table border="1"> <tr> <th colspan="6">Analysis Request</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Analysis Request																																			
Analysis Request																																														
Email:	john.cronk@gov.mb.ca		ALS Contact:		Paul Nicolas																																									
Account:	W10477	Report Type: ODW - UTIL	Client / Project Information:																																											
Agency Code: 382	Project: DWQ-A		Operation Name:		PORTAGE LA PRAIRIE REGIONAL - PWS																																									
Lab Work Order #			Operation Code (com code):		171.00																																									
			Operation Id:		28564																																									
			Sampled by:		john cronk																																									
Lab Sample #	Sample Number (YYMMII9999)	Station Number (MB99XXD999)	Sample Identification	Date dd-mmm-yy	Time hh:mm	Sample Matrix	Sample Type	MBCON-072D-WP	MBCON-698-WP-Bromide	Pesticides	MBCON-697-WP-Bromate	MBCON-693-WP-HAA	MBCON-692-WP-THM	Number of Containers																																
	1107JC0001	MB05MJD191	Portage la prairie 1 - Raw	12-Jul-11	9 AM	6	1	X	X	X				12																																
	1107JC0002	MB05MJD192	Portage la prairie 2 - Treated	12-Jul-11	9 AM	10	1	X			X	X		8																																
	1107JC0003	MB05MJD193	Portage la prairie 3 - Distribution - mid	12-Jul-11		9	1					X		3																																
	1107JC0004	MB05MJD193	Portage la prairie 3 - Distribution - end	12-Jul-11		9	1					X	X	6																																
			(distribution mid - hospital)																																											
			(distribution end - hydro office)																																											
Special Instructions / Hazardous Details				Sample Matrix :	6-Raw Water, 9-Distributed Water, 10-Treated Water																																									
				Sample Type:	1-Grab Sample, 33-Resample, 3-Duplicate Sample, 22-Field Blank																																									
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.																																														
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the adjacent worksheet.																																														
Relinquished By:	John Cronk	Date & Time:	July 12, - 11 AM	Received By:	[Signature]	Date & Time:	13 JUL 11 8:55	Sample Condition (lab use only)																																						
Relinquished By:		Date & Time:		Received By:		Date & Time:		Temperature	16.8°C																																					
								Samples Received in Good Condition? Y / N (if no provided details)																																						