ANNUAL REPORT
FOR THE HAMLET OF Hall Beach

YEAR BEING REPORTED: 2010

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence 3BM-HAL0810 issued to the Hamlet of Hall Beach.

i)- iii) tabular summaries of all data generated under the "Monitoring Program"; monthly and annual quantities in cubic metres of freshwater obtained from all sources; monthly and annual quantities in cubic metres of each and all wastes discharged;

Below are results for Monitoring station HAL-1 and HAL-3, and attached (in Appendix A) are the detailed chemical, physical and biological analysis required at HAL-2, HAL-4 and HAL-5 (for the months of May to August, inclusive)

Month Reported	Quantity of Water Obtained from all sources	Quantity of Sewage Waste Discharged
April 2009	1,973 m^3	1,973 m^3
May 2009	2,095 m^3	2,095 m^3
June 2009	1,998 m^3	1,998 m^3
July 2009	2,163 m^3	2,163 m^3
August 2009	2,192 m^3	2,192 m^3
September 2009	2,127 m^3	2,127 m^3
October 2009	2,221 m^3	2,221 m^3
November 2009	2,117 m^3	2,117 m^3
December 2009	2,088 m^3	2,088 m^3
January 2010	2,121 m^3	2,121 m^3
February 2010	1,999 m^3	1,999 m^3
March 2010	2,181 m^3	2,181 m^3
ANNUAL TOTAL	25,276 m^3	25,276 m^3

Please indicate volumes in cubic metres - 1 cubic meter equals 1000 litres

iv. a summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;

This information could not be obtained from the Licensee.

v. a list of unauthorized discharges and summary of follow-up action taken;

This information could not be obtained from the Licensee.

vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;

This information could not be obtained from the Licensee.

vii. a summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;

This information could not be obtained from the Licensee.

viii. any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and

This information could not be obtained from the Licensee.

ix. updates or revisions to the approved Operation and Maintenance Plans.

This information could not be obtained from the Licensee.

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

This information could not be obtained from the Licensee.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

This information could not be obtained from the Licensee.

APPENDIX A

Sampling Results

(In reply, please refer to)
Our File: 092156

March 22nd, 2011

DILLON CONSULTING

4920
47th Street
Suite 303
Box 1409
Yellowknife
Northwest Territories
Canada
X1A 2P1
Telephone
(867) 920-4555
Fax
(867) 873-3328

Attention:
Anne Curley, Hamlet of Hall Beach
Sean Joseph, Nunavut Water Board

Re: Sampling Results

Dear Mr.Curley/Mr. Joseph:

Please note that due to flight schedules, and timing of training and site visits, the samples collected during the training exercise most likely did not arrive at the laboratory within the recommended time limits for some of the sampling parameters. As well, there is concern that the coolers used to ship the samples were not kept at cool enough temperatures during transport. Therefore, the attached sampling results (from samples taken during the sampling training exercise on September 2nd, 2010) may be compromised. Should you require further information, please do not hesitate to contact me at (867) 920-4555.

Yours truly,

Dillon Consulting Limited

Gary Strong, P.Eng.

GS/encl.

Your C.O.C. #: 204493-1

Attention: JENNIFER SPENCER
DILLON CONSULTING LTD.
BOX 1409
SUITE 303, 4920 - 47th STREET
YELLOWKNIFE, NT
CANADA X1A ZP1

Report Date: 2010/09/14

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B080874
Received: 2010/09/04, 12:10

Sample Matrix: Water
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (pp, total), CO3,HCO3,OH	6	N/A	2010/09/07	AB SOP-00005	SM 2320-B
See Attached Results	1	2010/09/07	2010/09/09		
Biochemical Oxygen Demand	6	2010/09/04	2010/09/09	AB SOP-00017	SM 5210 B
Biochemical Oxygen Demand (Inhibited)	6	2010/09/04	2010/09/09	AB SOP-00017	SM 5210 B
BTEX/F1 in Water by HS GC/MS	3	N/A	2010/09/08	EENVSOP-00004 EENVSOP-00002	EPA 8260C/CCME
Cadmium - low level CCME (Total)	6	2010/09/05	2010/09/14	CAL SOP-00191	EPA SW-846 6020A
Chloride by Automated Colourimetry	1	N/A	2010/09/07	AB SOP-00020	EPA 325.2
Chloride by Automated Colourimetry	5	N/A	2010/09/10	AB SOP-00020	EPA 325.2
Total Coliforms and E.Coli	5	2010/09/04	2010/09/05	EENV SOP-00162	SM 9223 A,B
Conductivity	6	N/A	2010/09/07	AB SOP-00005	SM 2510-B
CCME Hydrocarbons (F2-F4 in water)	3	2010/09/11	2010/09/13	EENVSOP-00007 AB WI-00017	EPA3510C/CCME PHCCWS
Hardness	6	N/A	2010/09/13	CAL WI-00053	AEMM, Method 423
Mercury (Total)	6	2010/09/10	2010/09/10	EENVSOP-00031	EPA 245.1
Elements by ICP - Dissolved	6	N/A	2010/09/10	AB SOP-00042	EPA 200.7
Elements by ICP - Total	6	2010/09/10	2010/09/10	AB SOP-00042	EPA 200.7
Elements by ICPMS - Total	6	2010/09/10	2010/09/11	AB SOP-00043	EPA 200.8
Ammonia-N (Total)	6	N/A	2010/09/07	AB SOP-00007	EPA 350.1
Nitrate and Nitrite	6	N/A	2010/09/09	Calc	
Nitrate + Nitrite-N (calculated)	6	N/A	2010/09/09	AB SOP-00023	SM 4110-B
Nitrogen, (Nitrite, Nitrate) by IC	6	N/A	2010/09/07	AB SOP-00023	SM 4110-B
Oil and Grease (Gravimetric, n-Hexane)	5	N/A	2010/09/08	EENVSOP-00093	SM 5520B
Benzo[a]pyrene Equivalency	3	N/A	2010/09/13	AB SOP-00003	EPA 8270D
Polycyclic Aromatic Hydrocarbons (1)	3	2010/09/10	2010/09/11	AB SOP-00003 AB WI-00017	EPA 3510C/8270D
pH	5	N/A	2010/09/05	AB SOP-00005	SM 4500-H B
pH	1	N/A	2010/09/08	AB SOP-00005	SM 4500-H B
pH (Alkalinity titrator)	6	N/A	2010/09/07	AB SOP-00005	SM 4500-H+B
Phenols (4-AAP)	6	N/A	2010/09/07	EENVSOP-00061	EPA 420.2
Total Kjeldahl Nitrogen	6	2010/09/07	2010/09/08	AB SOP-00008	EPA 351.1, 351.2
Carbon (Total Organic)	6	N/A	2010/09/07	EENVSOP-00060	SM 5310C
Total Phosphorous	1	2010/09/07	2010/09/08	EENVSOP-00094	SM4500-P B/EPA 365.1
Total Phosphorous	5	2010/09/08	2010/09/09	EENVSOP-00094	SM4500-P B/EPA 365.1
Total Suspended Solids (NFR)	5	2010/09/08	2010/09/08	EENVSOP-00073	SM 2540 D
Total Suspended Solids (NFR)	1	2010/09/14	2010/09/14	EENVSOP-00073	SM 2540 D

../2

Your C.O.C. #: 204493-1

Attention: JENNIFER SPENCER
DILLON CONSULTING LTD.
BOX 1409
SUITE 303, 4920 - 47th STREET
YELLOWKNIFE, NT
CANADA X1A ZP1

Report Date: 2010/09/14

CERTIFICATE OF ANALYSIS

(1) B[a]P TPE is calculated using 1/2 of the RDL for non detect results as per Alberta Environment instructions. This protocol may not apply in other jurisdictions.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

TANYA EUGINE, M.Sc., Project Manager
Email: tanya.eugine@maxxamanalytics.com
Phone# (780) 577-7100

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

AT1 BTEX AND F1-F4 IN WATER (WATER)

Maxxam ID		W75283	W75294	W75299		
Sampling Date		2010/09/01 15:30	2010/09/01 13:30			
COC Number		204493-1	204493-1	204493-1		
	Units	**HAL-2**	**FIELD BLANK**	**TRIP BLANK**	**RDL**	**QC Batch**
Extractable Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	mg/L	<0.1	<0.1	<0.1	0.1	4241349
F3 (C16-C34 Hydrocarbons)	mg/L	<0.1	<0.1	<0.1	0.1	4241349
F4 (C34-C50 Hydrocarbons)	mg/L	<0.1	<0.1	<0.1	0.1	4241349
Reached Baseline at C50	mg/L	Yes	Yes	Yes	N/A	4241349
Volatiles						
Benzene	ug/L	<0.4	<0.4	<0.4	0.4	4239890
Toluene	ug/L	<0.4	<0.4	<0.4	0.4	4239890
Ethylbenzene	ug/L	<0.4	<0.4	<0.4	0.4	4239890
o-Xylene	ug/L	<0.4	<0.4	<0.4	0.4	4239890
m & p-Xylene	ug/L	<0.8	<0.8	<0.8	0.8	4239890
Xylenes (Total)	ug/L	<0.8	<0.8	<0.8	0.8	4239890
F1 (C6-C10) - BTEX	ug/L	<100	<100	<100	100	4239890
(C6-C10)	ug/L	<100	<100	<100	100	4239890
Surrogate Recovery (%)						
4-BROMOFLUOROBENZENE (sur.)	%	99	99	102	N/A	4239890
D4-1,2-DICHLOROETHANE (sur.)	%	114	108	106	N/A	4239890
D8-TOLUENE (sur.)	%	100	93	104	N/A	4239890
O-TERPHENYL (sur.)	%	86	90	91	N/A	4241349

N/A = Not Applicable
RDL = Reportable Detection Limit

REGULATED METALS (CCME/AT1) - TOTAL

Maxxam ID		W75213		W75276	W75283	W75294		
Sampling Date		2010/09/01 14:00		2010/09/01 13:30	2010/09/01 15:30	2010/09/01 13:30		
COC Number		204493-1		204493-1	204493-1	204493-1		
	Units	**HAL-4**	**RDL**	**HAL-5**	**HAL-2**	**FIELD BLANK**	**RDL**	**QC Batch**
Low Level Elements								
Total Cadmium (Cd)	ug/L	<0.03	0.03	<0.005	<0.005	<0.005	0.005	4237645
Elements								
Total Aluminum (Al)	mg/L	0.042	0.001	0.002	0.005	<0.001	0.001	4252348
Total Antimony (Sb)	mg/L	0.0007	0.0002	0.0002	0.0023	<0.0002	0.0002	4252348
Total Arsenic (As)	mg/L	0.014	0.0002	0.0002	0.0005	<0.0002	0.0002	4252348
Total Barium (Ba)	mg/L	<0.01	0.01	<0.01	0.01	<0.01	0.01	4251667
Total Beryllium (Be)	mg/L	<0.001	0.001	<0.001	<0.001	<0.001	0.001	4252348
Total Boron (B)	mg/L	0.51	0.02	0.06	0.24	<0.02	0.02	4251667
Total Calcium (Ca)	mg/L	44	0.3	33	70	<0.3	0.3	4251667
Total Chromium (Cr)	mg/L	<0.001	0.001	<0.001	<0.001	<0.001	0.001	4252348
Total Cobalt (Co)	mg/L	0.0005	0.0003	<0.0003	<0.0003	<0.0003	0.0003	4252348
Total Copper (Cu)	mg/L	0.0031	0.0002	0.0002	0.0007	<0.0002	0.0002	4252348
Total Iron (Fe)	mg/L	0.57	0.06	<0.06	0.22	<0.06	0.06	4251667
Total Lead (Pb)	mg/L	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	0.0002	4252348
Total Lithium (Li)	mg/L	<0.02	0.02	<0.02	<0.02	<0.02	0.02	4251667
Total Magnesium (Mg)	mg/L	42	0.2	8.5	25	<0.2	0.2	4251667
Total Manganese (Mn)	mg/L	0.017	0.004	<0.004	0.012	<0.004	0.004	4251667
Total Molybdenum (Mo)	mg/L	0.0013	0.0002	0.0005	0.0009	<0.0002	0.0002	4252348
Total Nickel (Ni)	mg/L	0.0058	0.0005	<0.0005	0.0008	<0.0005	0.0005	4252348
Total Phosphorus (P)	mg/L	4.2	0.1	<0.1	<0.1	<0.1	0.1	4251667
Total Potassium (K)	mg/L	35	0.3	1.8	9.1	<0.3	0.3	4251667
Total Selenium (Se)	mg/L	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	0.0002	4252348
Total Silicon (Si)	mg/L	5.7	0.1	2.1	1.1	<0.1	0.1	4251667
Total Silver (Ag)	mg/L	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0001	4252348
Total Sodium (Na)	mg/L	270	0.5	17	95	<0.5	0.5	4251667
Total Strontium (Sr)	mg/L	0.36	0.02	0.12	0.35	<0.02	0.02	4251667
Total Sulphur (S)	mg/L	33	0.2	8.6	42	<0.2	0.2	4251667
Total Thallium (Tl)	mg/L	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	0.0002	4252348
Total Tin (Sn)	mg/L	<0.001	0.001	<0.001	<0.001	<0.001	0.001	4252348
Total Titanium (Ti)	mg/L	0.002	0.001	<0.001	<0.001	<0.001	0.001	4252348
Total Uranium (U)	mg/L	0.0004	0.0001	0.0001	0.0002	<0.0001	0.0001	4252348
Total Vanadium (V)	mg/L	0.003	0.001	<0.001	<0.001	<0.001	0.001	4252348

RDL = Reportable Detection Limit

REGULATED METALS (CCME/AT1) - TOTAL

Maxxam ID		W75213		W75276	W75283	W75294		
Sampling Date		2010/09/01 14:00		2010/09/01 13:30	2010/09/01 15:30	2010/09/01 13:30		
COC Number		204493-1		204493-1	204493-1	204493-1		
	Units	**HAL-4**	**RDL**	**HAL-5**	**HAL-2**	**FIELD BLANK**	**RDL**	**QC Batch**
Total Zinc (Zn)	mg/L	<0.003	0.003	<0.003	<0.003	<0.003	0.003	4252348

RDL = Reportable Detection Limit

REGULATED METALS (CCME/AT1) - TOTAL

Maxxam ID		W75295	W75299		
Sampling Date		2010/09/01 13:30			
COC Number		204493-1	204493-1		
	Units	**HAL-5A**	**TRIP BLANK**	**RDL**	**QC Batch**
Low Level Elements					
Total Cadmium (Cd)	ug/L	<0.005	<0.005	0.005	4237645
Elements					
Total Aluminum (Al)	mg/L	0.005	<0.001	0.001	4252348
Total Antimony (Sb)	mg/L	<0.0002	<0.0002	0.0002	4252348
Total Arsenic (As)	mg/L	0.0002	<0.0002	0.0002	4252348
Total Barium (Ba)	mg/L	<0.01	<0.01	0.01	4251667
Total Beryllium (Be)	mg/L	<0.001	<0.001	0.001	4252348
Total Boron (B)	mg/L	0.05	<0.02	0.02	4251667
Total Calcium (Ca)	mg/L	33	<0.3	0.3	4251667
Total Chromium (Cr)	mg/L	<0.001	<0.001	0.001	4252348
Total Cobalt (Co)	mg/L	<0.0003	<0.0003	0.0003	4252348
Total Copper (Cu)	mg/L	0.0004	<0.0002	0.0002	4252348
Total Iron (Fe)	mg/L	<0.06	<0.06	0.06	4251667
Total Lead (Pb)	mg/L	<0.0002	<0.0002	0.0002	4252348
Total Lithium (Li)	mg/L	<0.02	<0.02	0.02	4251667
Total Magnesium (Mg)	mg/L	8.5	<0.2	0.2	4251667
Total Manganese (Mn)	mg/L	<0.004	<0.004	0.004	4251667
Total Molybdenum (Mo)	mg/L	0.0004	<0.0002	0.0002	4252348
Total Nickel (Ni)	mg/L	<0.0005	<0.0005	0.0005	4252348
Total Phosphorus (P)	mg/L	<0.1	<0.1	0.1	4251667
Total Potassium (K)	mg/L	1.8	<0.3	0.3	4251667
Total Selenium (Se)	mg/L	<0.0002	<0.0002	0.0002	4252348
Total Silicon (Si)	mg/L	2.1	<0.1	0.1	4251667
Total Silver (Ag)	mg/L	<0.0001	<0.0001	0.0001	4252348
Total Sodium (Na)	mg/L	17	<0.5	0.5	4251667
Total Strontium (Sr)	mg/L	0.12	<0.02	0.02	4251667
Total Sulphur (S)	mg/L	8.5	<0.2	0.2	4251667
Total Thallium (Tl)	mg/L	<0.0002	<0.0002	0.0002	4252348
Total Tin (Sn)	mg/L	<0.001	<0.001	0.001	4252348
Total Titanium (Ti)	mg/L	<0.001	<0.001	0.001	4252348
Total Uranium (U)	mg/L	0.0001	<0.0001	0.0001	4252348
Total Vanadium (V)	mg/L	<0.001	<0.001	0.001	4252348

RDL = Reportable Detection Limit

REGULATED METALS (CCME/AT1) - TOTAL

Maxxam ID		W75295	W75299		
Sampling Date		2010/09/01 13:30			
COC Number		204493-1	204493-1		
	Units	**HAL-5A**	**TRIP BLANK**	**RDL**	**QC Batch**
Total Zinc (Zn)	mg/L	<0.003	<0.003	0.003	4252348

RDL = Reportable Detection Limit

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		W75213			W75276	W75283		
Sampling Date		2010/09/01 14:00			2010/09/01 13:30	2010/09/01 15:30		
COC Number		204493-1			204493-1	204493-1		
	Units	**HAL-4**	**RDL**	**QC Batch**	**HAL-5**	**HAL-2**	**RDL**	**QC Batch**
CONVENTIONALS								
Total Ammonia (N)	mg/L	6.2 (1)	0.3	4237964	0.08	0.42	0.05	4237964
Total Phosphorus (P)	mg/L	4.2 (1)	0.03	4239698	0.015	0.019	0.003	4242693
Industrial								
Remark	N/A	N/A	N/A	N/A	SEE ATTACH	N/A	N/A	4238331
Misc. Inorganics								
Total Total Kjeldahl Nitrogen	mg/L	21 (1)	1	4240075	1.1	1.9	0.05	4240075
Calculated Parameters								
Hardness (CaCO3)	mg/L	284	0.5	4237668	124	300	0.5	4237668
Dissolved Nitrate (NO3)	mg/L	1.2	0.01	4237724	0.01	0.17	0.01	4237724
Nitrate plus Nitrite (N)	mg/L	0.30	0.003	4237725	0.008	0.047	0.003	4237725
Dissolved Nitrite (NO2)	mg/L	0.14	0.01	4237724	0.02	0.03	0.01	4237724
Demand Parameters								
Biochemical Oxygen Demand	mg/L	39	2	4238674	<2	<2	2	4238674
Biochemical Oxygen Demand (inhib.)	mg/L	22	2	4238738	<2	<2	2	4238738
Misc. Inorganics								
Conductivity	uS/cm	1900	1	4237894	340	1100	1	4237894
pH	N/A	9.20	N/A	4237895	8.09	8.09	N/A	4237895
Total Organic Carbon (C)	mg/L	58 (1)	3	4238445	6.6	8.9	0.5	4238445
Total Suspended Solids	mg/L	92 (2)	3	4241306	2	2	1	4241306
Anions								
Alkalinity (PP as CaCO3)	mg/L	51	0.5	4237893	<0.5	<0.5	0.5	4237893
Alkalinity (Total as CaCO3)	mg/L	260	0.5	4237893	100	170	0.5	4237893
Bicarbonate (HCO3)	mg/L	190	0.5	4237893	130	210	0.5	4237893
Carbonate (CO3)	mg/L	61	0.5	4237893	<0.5	<0.5	0.5	4237893
Hydroxide (OH)	mg/L	<0.5	0.5	4237893	<0.5	<0.5	0.5	4237893
Dissolved Chloride (Cl)	mg/L	370 (1)	5	4239338	26	160	1	4249188
Microbiological Param.								
E.Coli DST	mpn/100mL	2	1	4238450	<1	<1	1	4238450
Total Coliforms DST	mpn/100mL	>2420	1	4238450	1	15	1	4238450
Nutrients								
Dissolved Nitrite (N)	mg/L	0.042	0.003	4240558	0.005	0.009	0.003	4240558

N/A = Not Applicable
RDL = Reportable Detection Limit
(1) Detection limits raised due to dilution to bring analyte within the calibrated range.
(2) Detection limit raised based on sample volume used for analysis

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		W75213			W75276	W75283		
Sampling Date		2010/09/01 14:00			2010/09/01 13:30	2010/09/01 15:30		
COC Number		204493-1			204493-1	204493-1		
	Units	**HAL-4**	**RDL**	**QC Batch**	**HAL-5**	**HAL-2**	**RDL**	**QC Batch**
Dissolved Nitrate (N)	mg/L	0.26	0.003	4240558	0.003	0.038	0.003	4240558
Misc. Organics								
Extractable (n-Hex.) Oil and grease	mg/L	<2	2	4241630	<2	8	2	4241630
Phenols	mg/L	<0.002	0.002	4239905	<0.002	<0.002	0.002	4239905

RDL = Reportable Detection Limit

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		W75294	W75295		W75299		
Sampling Date		2010/09/01 13:30	2010/09/01 13:30				
COC Number		204493-1	204493-1		204493-1		
	Units	**FIELD BLANK**	**HAL-5A**	**QC Batch**	**TRIP BLANK**	**RDL**	**QC Batch**
CONVENTIONALS							
Total Ammonia (N)	mg/L	<0.05	0.08	4237964	<0.05	0.05	4237964
Total Phosphorus (P)	mg/L	0.006	0.013	4242693	0.005	0.003	4242693
Misc. Inorganics							
Total Total Kjeldahl Nitrogen	mg/L	<0.05	1.0	4240075	<0.05	0.05	4240075
Calculated Parameters							
Hardness (CaCO3)	mg/L	<0.5	123	4237668	<0.5	0.5	4237668
Dissolved Nitrate (NO3)	mg/L	<0.01	<0.01	4237724	<0.01	0.01	4237724
Nitrate plus Nitrite (N)	mg/L	0.004	0.003	4237725	0.004	0.003	4237725
Dissolved Nitrite (NO2)	mg/L	0.01	<0.01	4237724	0.01	0.01	4237724
Demand Parameters							
Biochemical Oxygen Demand	mg/L	<2	<2	4238674	<2	2	4238674
Biochemical Oxygen Demand (inhib.)	mg/L	<2	<2	4238738	<2	2	4238738
Misc. Inorganics							
Conductivity	uS/cm	1	340	4237894	1	1	4237894
pH	N/A	5.80	7.77	4237895	5.73	N/A	4237895
Total Organic Carbon (C)	mg/L	<0.5	6.1	4238445	<0.5	0.5	4238445
Total Suspended Solids	mg/L	<1	1	4241306	<1	1	4256819
Anions							
Alkalinity (PP as CaCO3)	mg/L	<0.5	<0.5	4237893	<0.5	0.5	4237893
Alkalinity (Total as CaCO3)	mg/L	<0.5	100	4237893	<0.5	0.5	4237893
Bicarbonate (HCO3)	mg/L	<0.5	130	4237893	<0.5	0.5	4237893
Carbonate (CO3)	mg/L	<0.5	<0.5	4237893	<0.5	0.5	4237893
Hydroxide (OH)	mg/L	<0.5	<0.5	4237893	<0.5	0.5	4237893
Dissolved Chloride (Cl)	mg/L	<1	26	4249188	<1	1	4249188
Microbiological Param.							
E.Coli DST	mpn/100mL	<1	<1	4238450	N/A	1	N/A
Total Coliforms DST	mpn/100mL	<1	<1	4238450	N/A	1	N/A
Nutrients							
Dissolved Nitrite (N)	mg/L	0.004	0.003	4240558	0.004	0.003	4240558
Dissolved Nitrate (N)	mg/L	<0.003	<0.003	4240558	<0.003	0.003	4240558
Misc. Organics							
Extractable (n-Hex.) Oil and grease	mg/L	2	<2	4241630	N/A	2	N/A

N/A = Not Applicable
RDL = Reportable Detection Limit

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		W75294	W75295		W75299		
Sampling Date		2010/09/01 13:30	2010/09/01 13:30				
COC Number		204493-1	204493-1		204493-1		
	Units	**FIELD BLANK**	**HAL-5A**	**QC Batch**	**TRIP BLANK**	**RDL**	**QC Batch**
Phenols	mg/L	<0.002	<0.002	4239905	<0.002	0.002	4239905

RDL = Reportable Detection Limit

SEMIVOLATILE ORGANICS BY GC-MS (WATER)

Maxxam ID		W75283	W75294	W75299		
Sampling Date		2010/09/01 15:30	2010/09/01 13:30			
COC Number		204493-1	204493-1	204493-1		
	Units	**HAL-2**	**FIELD BLANK**	**TRIP BLANK**	**RDL**	**QC Batch**
Polycyclic Aromatics						
Benzo[a]pyrene equivalency	ug/L	<0.01	<0.01	<0.01	0.01	4237649
Acenaphthene	ug/L	<0.10	<0.10	<0.10	0.10	4250439
Acenaphthylene	ug/L	<0.10	<0.10	<0.10	0.10	4250439
Acridine	ug/L	<0.20	<0.20	<0.20	0.20	4250439
Anthracene	ug/L	<0.010	<0.010	<0.010	0.010	4250439
Benzo(a)anthracene	ug/L	<0.0085	<0.0085	<0.0085	0.0085	4250439
Benzo(b&j)fluoranthene	ug/L	<0.0085	<0.0085	<0.0085	0.0085	4250439
Benzo(k)fluoranthene	ug/L	<0.0085	<0.0085	<0.0085	0.0085	4250439
Benzo(g,h,i)perylene	ug/L	<0.0085	<0.0085	<0.0085	0.0085	4250439
Benzo(c)phenanthrene	ug/L	<0.050	<0.050	<0.050	0.050	4250439
Benzo(a)pyrene	ug/L	<0.0075	<0.0075	<0.0075	0.0075	4250439
Benzo[e]pyrene	ug/L	<0.050	<0.050	<0.050	0.050	4250439
Chrysene	ug/L	<0.0085	<0.0085	<0.0085	0.0085	4250439
Dibenz(a,h)anthracene	ug/L	<0.0075	<0.0075	<0.0075	0.0075	4250439
Fluoranthene	ug/L	<0.040	<0.040	<0.040	0.040	4250439
Fluorene	ug/L	<0.050	<0.050	<0.050	0.050	4250439
Indeno(1,2,3-cd)pyrene	ug/L	<0.0085	<0.0085	<0.0085	0.0085	4250439
2-Methylnaphthalene	ug/L	<0.10	<0.10	<0.10	0.10	4250439
Naphthalene	ug/L	<0.10	<0.10	<0.10	0.10	4250439
Phenanthrene	ug/L	<0.050	<0.050	<0.050	0.050	4250439
Perylene	ug/L	<0.050	<0.050	<0.050	0.050	4250439
Pyrene	ug/L	<0.020	<0.020	<0.020	0.020	4250439
Quinoline	ug/L	<0.20	<0.20	<0.20	0.20	4250439
Surrogate Recovery (%)						
D10-ANTHRACENE (sur.)	%	87	108	108	N/A	4250439
D12-BENZO(A)PYRENE (sur.)	%	58	88	87	N/A	4250439
D8-ACENAPHTHYLENE (sur.)	%	86	98	99	N/A	4250439
TERPHENYL-D14 (sur.)	%	64	95	95	N/A	4250439

N/A = Not Applicable
RDL = Reportable Detection Limit

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Maxxam ID		W75213	W75276	W75283	W75294		
Sampling Date		2010/09/01 14:00	2010/09/01 13:30	2010/09/01 15:30	2010/09/01 13:30		
COC Number		204493-1	204493-1	204493-1	204493-1		
	Units	**HAL-4**	**HAL-5**	**HAL-2**	**FIELD BLANK**	**RDL**	**QC Batch**
Elements							
Dissolved Calcium (Ca)	mg/L	43	35 (1)	77 (1)	<0.3	0.3	4251766
Dissolved Iron (Fe)	mg/L	0.09	<0.06	0.06	<0.06	0.06	4251766
Dissolved Manganese (Mn)	mg/L	0.008	<0.004	0.010	<0.004	0.004	4251766
Dissolved Sodium (Na)	mg/L	280 (1)	18	100 (1)	<0.5	0.5	4251766
Low Level Elements							
Total Mercury (Hg)	ug/L	<0.005	<0.005	<0.005	<0.005	0.005	4244686

RDL = Reportable Detection Limit
(1) Dissolved greater than total. Results within acceptable limits of precision.

Maxxam ID		W75295	W75299		
Sampling Date		2010/09/01 13:30			
COC Number		204493-1	204493-1		
	Units	**HAL-5A**	**TRIP BLANK**	**RDL**	**QC Batch**
Elements					
Dissolved Calcium (Ca)	mg/L	34 (1)	<0.3	0.3	4251766
Dissolved Iron (Fe)	mg/L	<0.06	<0.06	0.06	4251766
Dissolved Manganese (Mn)	mg/L	<0.004	<0.004	0.004	4251766
Dissolved Sodium (Na)	mg/L	18 (1)	<0.5	0.5	4251766
Low Level Elements					
Total Mercury (Hg)	ug/L	<0.005	<0.005	0.005	4244686

RDL = Reportable Detection Limit
(1) Dissolved greater than total. Results within acceptable limits of precision.

General Comments

Sample W75213-01: Detection limits raised for Cd due to sample matrix.

Sample W75283-01: PAH sample extracted past method-specified hold time.

Sample W75294-01: PAH sample extracted past method-specified hold time.

Sample W75299-01: PAH sample extracted past method-specified hold time.

Results relate only to the items tested.

DILLON CONSULTING LTD.
Attention: JENNIFER SPENCER
Client Project #:
P.O. #:
Site Reference:

Quality Assurance Report

Maxxam Job Number: EB080874

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
4237893	SY5	Spiked Blank	Alkalinity (Total as CaCO3)	2010/09/07		95	%	80 - 120
		Method Blank	Alkalinity (PP as CaCO3)	2010/09/07	<0.5		mg/L	
			Alkalinity (Total as CaCO3)	2010/09/07	<0.5		mg/L	
			Bicarbonate (HCO3)	2010/09/07	<0.5		mg/L	
			Carbonate (CO3)	2010/09/07	<0.5		mg/L	
			Hydroxide (OH)	2010/09/07	<0.5		mg/L	
		RPD	Alkalinity (PP as CaCO3)	2010/09/07	NC		%	20
			Alkalinity (Total as CaCO3)	2010/09/07	4.0		%	20
			Bicarbonate (HCO3)	2010/09/07	4.0		%	20
			Carbonate (CO3)	2010/09/07	NC		%	20
			Hydroxide (OH)	2010/09/07	NC		%	20
4237894	SY5	Spiked Blank	Conductivity	2010/09/07		98	%	90 - 110
		Method Blank	Conductivity	2010/09/07	<1		uS/cm	
		RPD	Conductivity	2010/09/07	0.2		%	20
4237895	SY5	Spiked Blank	pH	2010/09/07		100	%	97 - 103
		RPD	pH	2010/09/07	0.3		%	5
4237964	AL2	Matrix Spike	Total Ammonia (N)	2010/09/07		NC	%	80 - 120
		Spiked Blank	Total Ammonia (N)	2010/09/07		103	%	86 - 110
		Method Blank	Total Ammonia (N)	2010/09/07	<0.05		mg/L	
		RPD	Total Ammonia (N)	2010/09/07	2.0		%	20
4238445	YY	Matrix Spike	Total Organic Carbon (C)	2010/09/07		NC	%	80 - 120
		Spiked Blank	Total Organic Carbon (C)	2010/09/07		100	%	80 - 120
		Method Blank	Total Organic Carbon (C)	2010/09/07	<0.5		mg/L	
		RPD	Total Organic Carbon (C)	2010/09/07	5.9		%	20
4238450	NM3	Method Blank	E.Coli DST	2010/09/05	<1		mpn/100mL	
			Total Coliforms DST	2010/09/05	<1		mpn/100mL	
4238674	NM3	Spiked Blank	Biochemical Oxygen Demand	2010/09/09		92	%	80 - 110
		Method Blank	Biochemical Oxygen Demand	2010/09/09	<2		mg/L	
4238738	NM3	Spiked Blank	Biochemical Oxygen Demand (inhib.)	2010/09/09		92	%	80 - 112
		Method Blank	Biochemical Oxygen Demand (inhib.)	2010/09/09	<2		mg/L	
4239338	SY1	Matrix Spike	Dissolved Chloride (Cl)	2010/09/07		NC	%	80 - 120
		Spiked Blank	Dissolved Chloride (Cl)	2010/09/07		105	%	80 - 120
		Method Blank	Dissolved Chloride (Cl)	2010/09/07	<1		mg/L	
		RPD	Dissolved Chloride (Cl)	2010/09/07	1.4		%	20
4239698	AL2	Matrix Spike	Total Phosphorus (P)	2010/09/08		NC	%	80 - 120
		Spiked Blank	Total Phosphorus (P)	2010/09/08		96	%	80 - 120
		Method Blank	Total Phosphorus (P)	2010/09/08	<0.003		mg/L	
		RPD	Total Phosphorus (P)	2010/09/08	4.8		%	20
4239890	ALN	Matrix Spike	4-BROMOFLUOROBENZENE (sur.)	2010/09/08		98	%	70 - 130
			D4-1,2-DICHLOROETHANE (sur.)	2010/09/08		101	%	70 - 130
			D8-TOLUENE (sur.)	2010/09/08		101	%	70 - 130
			Benzene	2010/09/08		117	%	70 - 130
			Toluene	2010/09/08		118	%	70 - 130
			Ethylbenzene	2010/09/08		117	%	70 - 130
			o-Xylene	2010/09/08		116	%	70 - 130
			m & p-Xylene	2010/09/08		122	%	70 - 130
			(C6-C10)	2010/09/08		95	%	70 - 130
		Spiked Blank	4-BROMOFLUOROBENZENE (sur.)	2010/09/08		101	%	70 - 130
			D4-1,2-DICHLOROETHANE (sur.)	2010/09/08		94	%	70 - 130
			D8-TOLUENE (sur.)	2010/09/08		104	%	70 - 130
			Benzene	2010/09/08		114	%	70 - 130
			Toluene	2010/09/08		125	%	70 - 130
			Ethylbenzene	2010/09/08		121	%	70 - 130
			o-Xylene	2010/09/08		117	%	70 - 130
			m & p-Xylene	2010/09/08		124	%	70 - 130

DILLON CONSULTING LTD.
Attention: JENNIFER SPENCER
Client Project #:
P.O. #:
Site Reference:

Quality Assurance Report (Continued)

Maxxam Job Number: EB080874

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
4239890	ALN	Spiked Blank	(C6-C10)	2010/09/08		109	%	70 - 130
		Method Blank	4-BROMOFLUOROBENZENE (sur.)	2010/09/08		97	%	70 - 130
			D4-1,2-DICHLOROETHANE (sur.)	2010/09/08		104	%	70 - 130
			D8-TOLUENE (sur.)	2010/09/08		99	%	70 - 130
			Benzene	2010/09/08	<0.4		ug/L	
			Toluene	2010/09/08	<0.4		ug/L	
			Ethylbenzene	2010/09/08	<0.4		ug/L	
			o-Xylene	2010/09/08	<0.4		ug/L	
			m & p-Xylene	2010/09/08	<0.8		ug/L	
			Xylenes (Total)	2010/09/08	<0.8		ug/L	
			F1 (C6-C10) - BTEX	2010/09/08	<100		ug/L	
			(C6-C10)	2010/09/08	<100		ug/L	
		RPD	Benzene	2010/09/08	NC		%	40
			Toluene	2010/09/08	1		%	40
			Ethylbenzene	2010/09/08	NC		%	40
			o-Xylene	2010/09/08	4.2		%	40
			m & p-Xylene	2010/09/08	6.3		%	40
			Xylenes (Total)	2010/09/08	5.5		%	40
			F1 (C6-C10) - BTEX	2010/09/08	NC		%	40
			(C6-C10)	2010/09/08	NC		%	40
4239905	YY	Matrix Spike	Phenols	2010/09/07		98	%	80 - 120
		Spiked Blank	Phenols	2010/09/07		93	%	80 - 120
		Method Blank	Phenols	2010/09/07	<0.002		mg/L	
		RPD	Phenols	2010/09/07	NC		%	20
4240075	AL2	Matrix Spike	Total Total Kjeldahl Nitrogen	2010/09/08		96	%	80 - 120
		Spiked Blank	Total Total Kjeldahl Nitrogen	2010/09/08		90	%	80 - 120
		Method Blank	Total Total Kjeldahl Nitrogen	2010/09/08	<0.05		mg/L	
		RPD	Total Kjeldahl Nitrogen	2010/09/08	NC		%	20
4240558	DC9	Matrix Spike	Dissolved Nitrite (N)	2010/09/07		99	%	80 - 120
			Dissolved Nitrate (N)	2010/09/07		101	%	80 - 120
		Spiked Blank	Dissolved Nitrite (N)	2010/09/07		100	%	80 - 120
			Dissolved Nitrate (N)	2010/09/07		101	%	80 - 120
		Method Blank	Dissolved Nitrite (N)	2010/09/07	<0.003		mg/L	
			Dissolved Nitrate (N)	2010/09/07	<0.003		mg/L	
		RPD	Dissolved Nitrite (N)	2010/09/07	NC		%	20
			Dissolved Nitrate (N)	2010/09/07	NC		%	20
4241306	RW3	Matrix Spike	Total Suspended Solids	2010/09/08		105	%	80 - 120
		Spiked Blank	Total Suspended Solids	2010/09/08		101	%	80 - 120
		Method Blank	Total Suspended Solids	2010/09/08	<1		mg/L	
		RPD	Total Suspended Solids	2010/09/08	7.4 (1)		%	20
4241349	RC6	Spiked Blank	F2 (C10-C16 Hydrocarbons)	2010/09/13		90	%	80 - 120
			F3 (C16-C34 Hydrocarbons)	2010/09/13		88	%	80 - 120
			F4 (C34-C50 Hydrocarbons)	2010/09/13		94	%	80 - 120
			O-TERPHENYL (sur.)	2010/09/13		90	%	70 - 130
		Method Blank	F2 (C10-C16 Hydrocarbons)	2010/09/13	<0.1		mg/L	
			F3 (C16-C34 Hydrocarbons)	2010/09/13	<0.1		mg/L	
			F4 (C34-C50 Hydrocarbons)	2010/09/13	<0.1		mg/L	
			O-TERPHENYL (sur.)	2010/09/13		84	%	70 - 130
4241630	KSC	Method Blank	Extractable (n-Hex.) Oil and grease	2010/09/08	<2		mg/L	
4242680	SB8	Spiked Blank	pH	2010/09/08		100	%	97 - 103
		RPD	pH	2010/09/08	0.5		%	5
4242693	AL2	Matrix Spike	Total Phosphorus (P)	2010/09/09		NC	%	80 - 120
		Spiked Blank	Total Phosphorus (P)	2010/09/09		88	%	80 - 120
		Method Blank	Total Phosphorus (P)	2010/09/09	0.004, RDL=0.003		mg/L	
		RPD	Total Phosphorus (P)	2010/09/09	1.3		%	20

DILLON CONSULTING LTD.
Attention: JENNIFER SPENCER
Client Project #:
P.O. #:
Site Reference:

Quality Assurance Report (Continued)

Maxxam Job Number: EB080874

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
4244686	NC3	Matrix Spike	Total Mercury (Hg)	2010/09/10		111	%	85 - 115
		QC Standard	Total Mercury (Hg)	2010/09/10		105	%	85 - 115
		Spiked Blank	Total Mercury (Hg)	2010/09/10		101	%	85 - 115
		Method Blank	Total Mercury (Hg)	2010/09/10	<0.005		ug/L	
		RPD	Total Mercury (Hg)	2010/09/10	NC		%	20
4249188	SY1	Matrix Spike	Dissolved Chloride (Cl)	2010/09/10		NC	%	80 - 120
		Spiked Blank	Dissolved Chloride (Cl)	2010/09/10		106	%	80 - 120
		Method Blank	Dissolved Chloride (Cl)	2010/09/10	<1		mg/L	
		RPD	Dissolved Chloride (Cl)	2010/09/10	1.5 (2)		%	20
4250439	JA3	Matrix Spike	D10-ANTHRACENE (sur.)	2010/09/11		86	%	30 - 130
			D12-BENZO(A)PYRENE (sur.)	2010/09/11		48	%	30 - 130
			D8-ACENAPHTHYLENE (sur.)	2010/09/11		98	%	30 - 130
			TERPHENYL-D14 (sur.)	2010/09/11		55	%	30 - 130
			Acenaphthene	2010/09/11		106	%	30 - 130
			Acenaphthylene	2010/09/11		103	%	30 - 130
			Acridine	2010/09/11		80	%	30 - 130
			Anthracene	2010/09/11		78	%	30 - 130
			Benzo(a)anthracene	2010/09/11		58	%	30 - 130
			Benzo(b&j)fluoranthene	2010/09/11		62	%	30 - 130
			Benzo(k)fluoranthene	2010/09/11		52	%	30 - 130
			Benzo(g,h,i)perylene	2010/09/11		56	%	30 - 130
			Benzo(c)phenanthrene	2010/09/11		65	%	30 - 130
			Benzo(a)pyrene	2010/09/11		54	%	30 - 130
			Benzo[e]pyrene	2010/09/11		51	%	30 - 130
			Chrysene	2010/09/11		72	%	30 - 130
			Dibenz(a,h)anthracene	2010/09/11		59	%	30 - 130
			Fluoranthene	2010/09/11		87	%	30 - 130
			Fluorene	2010/09/11		103	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2010/09/11		56	%	30 - 130
			2-Methylnaphthalene	2010/09/11		96	%	30 - 130
			Naphthalene	2010/09/11		102	%	30 - 130
			Phenanthrene	2010/09/11		102	%	30 - 130
			Perylene	2010/09/11		60	%	30 - 130
			Pyrene	2010/09/11		84	%	30 - 130
			Quinoline	2010/09/11		124	%	30 - 130
		Spiked Blank	D10-ANTHRACENE (sur.)	2010/09/11		111	%	30 - 130
			D12-BENZO(A)PYRENE (sur.)	2010/09/11		92	%	30 - 130
			D8-ACENAPHTHYLENE (sur.)	2010/09/11		101	%	30 - 130
			TERPHENYL-D14 (sur.)	2010/09/11		99	%	30 - 130
			Acenaphthene	2010/09/11		108	%	30 - 130
			Acenaphthylene	2010/09/11		106	%	30 - 130
			Acridine	2010/09/11		84	%	30 - 130
			Anthracene	2010/09/11		101	%	30 - 130
			Benzo(a)anthracene	2010/09/11		99	%	30 - 130
			Benzo(b&j)fluoranthene	2010/09/11		86	%	30 - 130
			Benzo(k)fluoranthene	2010/09/11		101	%	30 - 130
			Benzo(g,h,i)perylene	2010/09/11		104	%	30 - 130
			Benzo(c)phenanthrene	2010/09/11		96	%	30 - 130
			Benzo(a)pyrene	2010/09/11		101	%	30 - 130
			Benzo[e]pyrene	2010/09/11		95	%	30 - 130
			Chrysene	2010/09/11		124	%	30 - 130
			Dibenz(a,h)anthracene	2010/09/11		113	%	30 - 130
			Fluoranthene	2010/09/11		109	%	30 - 130
			Fluorene	2010/09/11		105	%	30 - 130
			Indeno(1,2,3-cd)pyrene	2010/09/11		107	%	30 - 130

DILLON CONSULTING LTD.
Attention: JENNIFER SPENCER
Client Project #:
P.O. #:
Site Reference:

Quality Assurance Report (Continued)

Maxxam Job Number: EB080874

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
4250439	JA3	Spiked Blank	2-Methylnaphthalene	2010/09/11		98	%	30 - 130
			Naphthalene	2010/09/11		103	%	30 - 130
			Phenanthrene	2010/09/11		110	%	30 - 130
			Perylene	2010/09/11		110	%	30 - 130
			Pyrene	2010/09/11		109	%	30 - 130
			Quinoline	2010/09/11		124	%	30 - 130
		Method Blank	D10-ANTHRACENE (sur.)	2010/09/11		108	%	30 - 130
			D12-BENZO(A)PYRENE (sur.)	2010/09/11		90	%	30 - 130
			D8-ACENAPHTHYLENE (sur.)	2010/09/11		97	%	30 - 130
			TERPHENYL-D14 (sur.)	2010/09/11		95	%	30 - 130
			Acenaphthene	2010/09/11	<0.10		ug/L	
			Acenaphthylene	2010/09/11	<0.10		ug/L	
			Acridine	2010/09/11	<0.20		ug/L	
			Anthracene	2010/09/11	<0.010		ug/L	
			Benzo(a)anthracene	2010/09/11	<0.0085		ug/L	
			Benzo(b&j)fluoranthene	2010/09/11	<0.0085		ug/L	
			Benzo(k)fluoranthene	2010/09/11	<0.0085		ug/L	
			Benzo(g,h,i)perylene	2010/09/11	<0.0085		ug/L	
			Benzo(c)phenanthrene	2010/09/11	<0.050		ug/L	
			Benzo(a)pyrene	2010/09/11	<0.0075		ug/L	
			Benzo[e]pyrene	2010/09/11	<0.050		ug/L	
			Chrysene	2010/09/11	<0.0085		ug/L	
			Dibenz(a,h)anthracene	2010/09/11	<0.0075		ug/L	
			Fluoranthene	2010/09/11	<0.040		ug/L	
			Fluorene	2010/09/11	<0.050		ug/L	
			Indeno(1,2,3-cd)pyrene	2010/09/11	<0.0085		ug/L	
			2-Methylnaphthalene	2010/09/11	<0.10		ug/L	
			Naphthalene	2010/09/11	<0.10		ug/L	
			Phenanthrene	2010/09/11	<0.050		ug/L	
			Perylene	2010/09/11	<0.050		ug/L	
			Pyrene	2010/09/11	<0.020		ug/L	
			Quinoline	2010/09/11	<0.20		ug/L	
		RPD	Acenaphthene	2010/09/11	NC		%	40
			Acenaphthylene	2010/09/11	NC		%	40
			Acridine	2010/09/11	NC		%	40
			Anthracene	2010/09/11	NC		%	40
			Benzo(a)anthracene	2010/09/11	NC		%	40
			Benzo(b&j)fluoranthene	2010/09/11	NC		%	40
			Benzo(k)fluoranthene	2010/09/11	NC		%	40
			Benzo(g,h,i)perylene	2010/09/11	NC		%	40
			Benzo(c)phenanthrene	2010/09/11	NC		%	40
			Benzo(a)pyrene	2010/09/11	NC		%	40
			Benzo[e]pyrene	2010/09/11	NC		%	40
			Chrysene	2010/09/11	NC		%	40
			Dibenz(a,h)anthracene	2010/09/11	NC		%	40
			Fluoranthene	2010/09/11	NC		%	40
			Fluorene	2010/09/11	NC		%	40
			Indeno(1,2,3-cd)pyrene	2010/09/11	NC		%	40
			2-Methylnaphthalene	2010/09/11	NC		%	40
			Naphthalene	2010/09/11	NC		%	40
			Phenanthrene	2010/09/11	NC		%	40
			Perylene	2010/09/11	NC		%	40
			Pyrene	2010/09/11	NC		%	40
			Quinoline	2010/09/11	NC		%	40
4251667	JP4	Matrix Spike	Total Barium (Ba)	2010/09/10		99	%	80 - 120

DILLON CONSULTING LTD.
Attention: JENNIFER SPENCER
Client Project #:
P.O. #:
Site Reference:

Quality Assurance Report (Continued)

Maxxam Job Number: EB080874

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
4251667	JP4	Matrix Spike	Total Boron (B)	2010/09/10		98	%	80 - 120
			Total Calcium (Ca)	2010/09/10		NC	%	80 - 120
			Total Iron (Fe)	2010/09/10		NC	%	80 - 120
			Total Lithium (Li)	2010/09/10		103	%	80 - 120
			Total Magnesium (Mg)	2010/09/10		NC	%	80 - 120
			Total Manganese (Mn)	2010/09/10		NC	%	80 - 120
			Total Phosphorus (P)	2010/09/10		105	%	80 - 120
			Total Potassium (K)	2010/09/10		115	%	80 - 120
			Total Silicon (Si)	2010/09/10		NC	%	80 - 120
			Total Sodium (Na)	2010/09/10		NC	%	80 - 120
			Total Strontium (Sr)	2010/09/10		NC	%	80 - 120
		Spiked Blank	Total Barium (Ba)	2010/09/10		104	%	80 - 120
			Total Boron (B)	2010/09/10		100	%	80 - 120
			Total Calcium (Ca)	2010/09/10		92	%	80 - 120
			Total Iron (Fe)	2010/09/10		96	%	80 - 120
			Total Lithium (Li)	2010/09/10		101	%	80 - 120
			Total Magnesium (Mg)	2010/09/10		108	%	80 - 120
			Total Manganese (Mn)	2010/09/10		92	%	80 - 120
			Total Phosphorus (P)	2010/09/10		104	%	80 - 120
			Total Potassium (K)	2010/09/10		106	%	80 - 120
			Total Silicon (Si)	2010/09/10		99	%	80 - 120
			Total Sodium (Na)	2010/09/10		109	%	80 - 120
			Total Strontium (Sr)	2010/09/10		97	%	80 - 120
		Method Blank	Total Barium (Ba)	2010/09/10	<0.01		mg/L	
			Total Boron (B)	2010/09/10	<0.02		mg/L	
			Total Calcium (Ca)	2010/09/10	<0.3		mg/L	
			Total Iron (Fe)	2010/09/10	<0.06		mg/L	
			Total Lithium (Li)	2010/09/10	<0.02		mg/L	
			Total Magnesium (Mg)	2010/09/10	<0.2		mg/L	
			Total Manganese (Mn)	2010/09/10	<0.004		mg/L	
			Total Phosphorus (P)	2010/09/10	<0.1		mg/L	
			Total Potassium (K)	2010/09/10	<0.3		mg/L	
			Total Silicon (Si)	2010/09/10	<0.1		mg/L	
			Total Sodium (Na)	2010/09/10	<0.5		mg/L	
			Total Strontium (Sr)	2010/09/10	<0.02		mg/L	
			Total Sulphur (S)	2010/09/10	<0.2		mg/L	
		RPD	Total Barium (Ba)	2010/09/10	3.5		%	20
			Total Boron (B)	2010/09/10	3.1		%	20
			Total Calcium (Ca)	2010/09/10	3.7		%	20
			Total Iron (Fe)	2010/09/10	6.0		%	20
			Total Lithium (Li)	2010/09/10	NC		%	20
			Total Magnesium (Mg)	2010/09/10	2.3		%	20
			Total Manganese (Mn)	2010/09/10	3.2		%	20
			Total Phosphorus (P)	2010/09/10	0.01		%	20
			Total Potassium (K)	2010/09/10	4.1		%	20
			Total Silicon (Si)	2010/09/10	14.8		%	20
			Total Sodium (Na)	2010/09/10	1.8		%	20
			Total Strontium (Sr)	2010/09/10	2.7		%	20
			Total Sulphur (S)	2010/09/10	3.4		%	20
4251766	JP4	Matrix Spike	Dissolved Calcium (Ca)	2010/09/10		NC	%	80 - 120
			Dissolved Iron (Fe)	2010/09/10		80	%	80 - 120
			Dissolved Magnesium (Mg)	2010/09/10		NC	%	80 - 120
			Dissolved Manganese (Mn)	2010/09/10		NC	%	80 - 120
			Dissolved Sodium (Na)	2010/09/10		NC	%	80 - 120
		Spiked Blank	Dissolved Calcium (Ca)	2010/09/10		89	%	88 - 115

DILLON CONSULTING LTD.
Attention: JENNIFER SPENCER
Client Project #:
P.O. #:
Site Reference:

Quality Assurance Report (Continued)

Maxxam Job Number: EB080874

QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
4251766	JP4	Spiked Blank	Dissolved Iron (Fe)	2010/09/10		89	%	81 - 111
			Dissolved Magnesium (Mg)	2010/09/10		106	%	80 - 120
			Dissolved Manganese (Mn)	2010/09/10		99	%	85 - 110
			Dissolved Sodium (Na)	2010/09/10		107	%	84 - 118
		Method Blank	Dissolved Calcium (Ca)	2010/09/10	<0.3		mg/L	
			Dissolved Iron (Fe)	2010/09/10	<0.06		mg/L	
			Dissolved Magnesium (Mg)	2010/09/10	<0.2		mg/L	
			Dissolved Manganese (Mn)	2010/09/10	<0.004		mg/L	
			Dissolved Sodium (Na)	2010/09/10	<0.5		mg/L	
		RPD	Dissolved Calcium (Ca)	2010/09/10	0.8		%	20
			Dissolved Iron (Fe)	2010/09/10	2.0		%	20
			Dissolved Magnesium (Mg)	2010/09/10	1.2		%	20
			Dissolved Manganese (Mn)	2010/09/10	0.009		%	20
			Dissolved Sodium (Na)	2010/09/10	0.3		%	20
4252348	SG8	Matrix Spike	Total Aluminum (Al)	2010/09/12		NC	%	80 - 120
			Total Antimony (Sb)	2010/09/12		89	%	80 - 120
			Total Arsenic (As)	2010/09/12		95	%	80 - 120
			Total Chromium (Cr)	2010/09/12		109	%	80 - 120
			Total Cobalt (Co)	2010/09/12		119	%	80 - 120
			Total Copper (Cu)	2010/09/12		90	%	80 - 120
			Total Lead (Pb)	2010/09/12		84	%	80 - 120
			Total Nickel (Ni)	2010/09/12		NC	%	80 - 120
			Total Selenium (Se)	2010/09/12		95	%	80 - 120
			Total Silver (Ag)	2010/09/12		92	%	80 - 120
			Total Thallium (Tl)	2010/09/12		90	%	80 - 120
			Total Titanium (Ti)	2010/09/12		NC	%	80 - 120
			Total Uranium (U)	2010/09/12		99	%	80 - 120
			Total Vanadium (V)	2010/09/12		NC	%	80 - 120
			Total Zinc (Zn)	2010/09/12		NC	%	80 - 120
		Spiked Blank	Total Aluminum (Al)	2010/09/12		100	%	80 - 120
			Total Antimony (Sb)	2010/09/12		90	%	80 - 120
			Total Arsenic (As)	2010/09/12		84	%	80 - 120
			Total Beryllium (Be)	2010/09/12		82	%	80 - 120
			Total Chromium (Cr)	2010/09/12		111	%	80 - 120
			Total Cobalt (Co)	2010/09/12		114	%	80 - 120
			Total Copper (Cu)	2010/09/12		108	%	80 - 120
			Total Lead (Pb)	2010/09/12		107	%	80 - 120
			Total Molybdenum (Mo)	2010/09/12		117	%	80 - 120
			Total Nickel (Ni)	2010/09/12		111	%	80 - 120
			Total Selenium (Se)	2010/09/12		97	%	80 - 120
			Total Silver (Ag)	2010/09/12		103	%	80 - 120
			Total Thallium (Tl)	2010/09/12		105	%	80 - 120
			Total Tin (Sn)	2010/09/12		106	%	80 - 120
			Total Titanium (Ti)	2010/09/12		112	%	80 - 120
			Total Uranium (U)	2010/09/12		107	%	80 - 120
			Total Vanadium (V)	2010/09/12		114	%	80 - 120
			Total Zinc (Zn)	2010/09/12		81	%	80 - 120
		Method Blank	Total Aluminum (Al)	2010/09/11	<0.001		mg/L	
			Total Antimony (Sb)	2010/09/11	0.0004, RDL=0.0002		mg/L	
			Total Arsenic (As)	2010/09/11	<0.0002		mg/L	
			Total Beryllium (Be)	2010/09/11	<0.001		mg/L	
			Total Chromium (Cr)	2010/09/11	<0.001		mg/L	
			Total Cobalt (Co)	2010/09/11	<0.0003		mg/L	
			Total Copper (Cu)	2010/09/11	<0.0002		mg/L	
			Total Lead (Pb)	2010/09/11	<0.0002		mg/L	

DILLON CONSULTING LTD.
Attention: JENNIFER SPENCER
Client Project #:
P.O. #:
Site Reference:

Quality Assurance Report (Continued)

Maxxam Job Number: EB080874

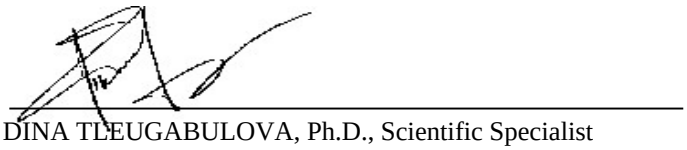
QA/QC Batch Num	Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
4252348	SG8	Method Blank	Total Molybdenum (Mo)	2010/09/11	<0.0002		mg/L	
			Total Nickel (Ni)	2010/09/11	<0.0005		mg/L	
			Total Selenium (Se)	2010/09/11	<0.0002		mg/L	
			Total Silver (Ag)	2010/09/11	<0.0001		mg/L	
			Total Thallium (Tl)	2010/09/11	<0.0002		mg/L	
			Total Tin (Sn)	2010/09/11	<0.001		mg/L	
			Total Titanium (Ti)	2010/09/11	<0.001		mg/L	
			Total Uranium (U)	2010/09/11	<0.0001		mg/L	
			Total Vanadium (V)	2010/09/11	<0.001		mg/L	
			Total Zinc (Zn)	2010/09/11	<0.003		mg/L	
		RPD	Total Aluminum (Al)	2010/09/11	6.3		%	20
			Total Antimony (Sb)	2010/09/11	NC		%	20
			Total Arsenic (As)	2010/09/11	4.1		%	20
			Total Beryllium (Be)	2010/09/11	NC		%	20
			Total Chromium (Cr)	2010/09/11	6.9		%	20
			Total Cobalt (Co)	2010/09/11	1.5		%	20
			Total Copper (Cu)	2010/09/11	16.0		%	20
			Total Lead (Pb)	2010/09/11	2.0		%	20
			Total Molybdenum (Mo)	2010/09/11	7.7		%	20
			Total Nickel (Ni)	2010/09/11	2.2		%	20
			Total Selenium (Se)	2010/09/11	NC		%	20
			Total Silver (Ag)	2010/09/11	NC		%	20
			Total Thallium (Tl)	2010/09/11	NC		%	20
			Total Tin (Sn)	2010/09/11	NC		%	20
			Total Titanium (Ti)	2010/09/11	3.5		%	20
			Total Uranium (U)	2010/09/11	2.2		%	20
			Total Vanadium (V)	2010/09/11	9.1		%	20
			Total Zinc (Zn)	2010/09/11	2.2		%	20
4256819	RW3	Matrix Spike	Total Suspended Solids	2010/09/14		103	%	80 - 120
		Spiked Blank	Total Suspended Solids	2010/09/14		98	%	80 - 120
		Method Blank	Total Suspended Solids	2010/09/14	<1		mg/L	
		RPD	Total Suspended Solids	2010/09/14	NC		%	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.
QC Standard: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.
Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.
NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.
(1) Detection limit raised based on sample volume used for analysis
(2) Detection limits raised due to dilution to bring analyte within the calibrated range.

Validation Signature Page

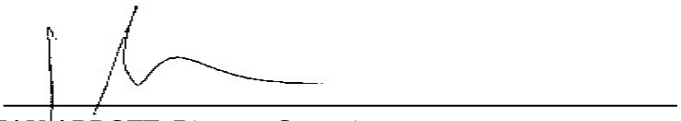
Maxxam Job #: B080874

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

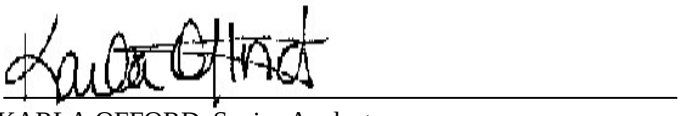


DINA TLEUGABULOVA, Ph.D., Scientific Specialist

HUA WO, Organics Supervisor



JAY ABBOTT, Bioassay Supervisor



KARLA OFFORD, Senior Analyst

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

MAXXAM 100907-23 (10-CDJ)

CONFIDENTIAL ANALYSIS REPORT

REPORT #: 100907-23

WO #: 10-CDJ

PO #: B080874

CLIENT: MAXXAM Analytics Inc.
9331 48 Street
Edmonton, Alberta
T6B 2R4

ATTENTION: Jeremy Wakaruk
Tel: (780) 577-7105
Fax: (780) 450-4187

SAMPLE DESCRIPTION: Water Samples

DATE AND TIME OF SAMPLE COLLECTION: September 01, 2010

DATE AND TIME OF SAMPLE RECEIPT: September 04, 2010/15:34

SAMPLE TEMPERATURE WHEN RECEIVED: 6.9° Celsius

TEST PERFORMED: Fecal Coliform by MF

TEST START DATE: September 04, 2010

DATE COMPLETED: September 05, 2010

CERTIFICATE OF ANALYSIS: See Page 2

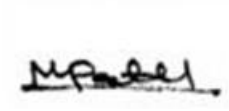
MAXXAM 100907-23 (10-CDJ)

Certificate of Analysis

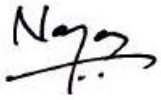
PBR ID	Sample #	Client ID	Lot #	Test	Protocol	Quantity Analyzed	Result	Units	Comments
10-CDJ-01		HAL 2		Fecal Coliform by MF	APHA-9222D	100 ml	3	CFU/100ml	
10-CDJ-02		HAL 4		Fecal Coliform by MF	APHA-9222D	100 ml	<1	CFU/100ml	
10-CDJ-03		HAL 5		Fecal Coliform by MF	APHA-9222D	100 ml	<1	CFU/100ml	
10-CDJ-04		HAL 5 a		Fecal Coliform by MF	APHA-9222D	100 ml	<1	CFU/100ml	1
10-CDJ-05		Field Blank		Fecal Coliform by MF	APHA-9222D	100 ml	<1	CFU/100ml	1

Comments
1 CFU = Colony Forming Unit.
<1 = No counts were detected based on the volume/dilution analyzed.

The reported results apply only to the items tested.



Mukesh Patel (Analyst)
Date: Sep 07 2010

Approved By: 

Narayan Pokharel, Ph.D.
Date: Sep 07 2010

PBR

48hr *Daphnia magna* Bioassay Report

Project : B080874-W75276

(Acute Aquatic Toxicity Test)

Client Name :	***Dillon Consulting Ltd***
Location :	***Yellowknife, NT***

Sample Data :

Sample Description :	**HAL-5**		
Visual Description:	**Clear**		
Sampling Location :	**n/g**		
Sampling Method :	**grab**		
Volume Obtained :	**1 L**		
Sampled By :	**n/g**		
	YY MM DD		
Sample Date :	**10 09 01**	*Time :*	**1330**
Date Received :	**10 09 04**	*Time :*	**1210**
Bioassay Date :	**10 09 04**	*Time :*	**1300**
Report Date :	**10 09 09**		
Deviations from Method :	**none**		

Bioassay Results :

Sample Endpoint	Rep1	Rep2	Rep3	Average
% Mortality @ 48 Hours:	0%	0%	0%	0%
% Immobility @ 48 Hours :	0%	0%	0%	0%

Control Endpoint	C1	C2	C3	Average
% Mortality @ 48 Hours:	0%	0%	0%	0%
% Immobility @ 48 Hours :	0%	0%	0%	0%

Note: Results relate only to the item tested.

General Comments:

Data & QA/QC Reviewed By : **Jay Abbott, Bioassay Supervisor**

48hr *Daphnia magna* Bioassay Report

Project : B080874-W75276

Sample Description : HAL-5

Detailed Test Information :

Type of Bioassay :	**48 hour static bioassay**
Test Species :	***Daphnia magna***
Test Protocol :	**Environment Canada EPS 1/RM/14 (December 2000 ed.)**
Test Endpoint:	**Mortality and/or Immobility**
% Mortality in Culture 7 days Prior to Testing :	**2%**
Age of Test Animals :	**Neonates (young), less than 24 hours old**
Time, in Days, to First Brood :	**9**
Average Number of Neonates per Brood :	**27**
Source of Test Species :	**In house culture initiated through Environment Canada *Daphnia magna***
Date Animals Obtained :	**May 1991**
Source of Culturing and Dilution Water :	**Reconstituted water**
Size of Test Container :	**220 mL**
Material of Test Container :	**Polyethylene beaker**
Volume of Test Solution per Container :	**200 mL**
Standard Concentrations of Test Material :	**0, 100% in Triplicate**
Number of Neonates per Container :	**10**
Volume of Solution per Daphnid :	**20 mL**
Hardness Adjustment :	**None (Checked with Hach Kit for Total Hardness, 20-400mg/L)**
pH Adjustment :	**None**

Maxxam Analytics

48hr *Daphnia magna* Bioassay Report

Project : B080874-W75276

Sample Description : HAL-5

		Temperature °C	pH @ 20°C	EC µS cm-1	Dissolved Oxygen mg/L
Setup	Effluent Properties Prior To Initial Setup:	11.0	8.2	268.4	12.4
Analyst ND	Preaeration Time (at rate of 50 mL / min / L) :	30 min			

Time	Description	Controls			100% Screen Samples		
		C1	C2	C3	Rep1	Rep2	Rep3
Start	Temperature °C	19.2	19.2	19.2	19.1	19.2	19.2
	pH @ 20°C	8.5	8.4	8.5	8.3	8.3	8.3
	EC µS cm-1	608	608	608	330	327	327
	Dissolved Oxygen mg/L	9.6	9.6	9.6	9.9	9.9	9.9
Analyst: ND	Hardness mg/L CaCO3	180 mg/L			140 mg/L		
1 Hour	Number Dead						
Analyst:	Atypical/Stressed Behaviour						
4 Hours	Number Dead						
Analyst:	Atypical/Stressed Behaviour						
24 Hours	Number Dead	0	0	0	0	0	0
Analyst: JA	Atypical/Stressed Behaviour	0	0	0	0	0	0
48 Hours	Temperature °C	19.2	19.9	19.8	20.4	20.3	19.6
	pH @ 20°C	8.5	8.5	8.5	8.4	8.4	8.4
	EC µS cm-1	674	628	657	350	343	356
	Dissolved Oxygen mg/L	9.9	9.8	9.8	9.7	9.8	9.9
	Number Dead	0	0	0	0	0	0
Analyst: ND	Atypical/Stressed Behaviour	0	0	0	0	0	0

Observation Codes: I: Immobile F: Floating

Project : B080874-W75276

Results of Sodium Chloride Reference Bioassay :

Sample Description : HAL-5

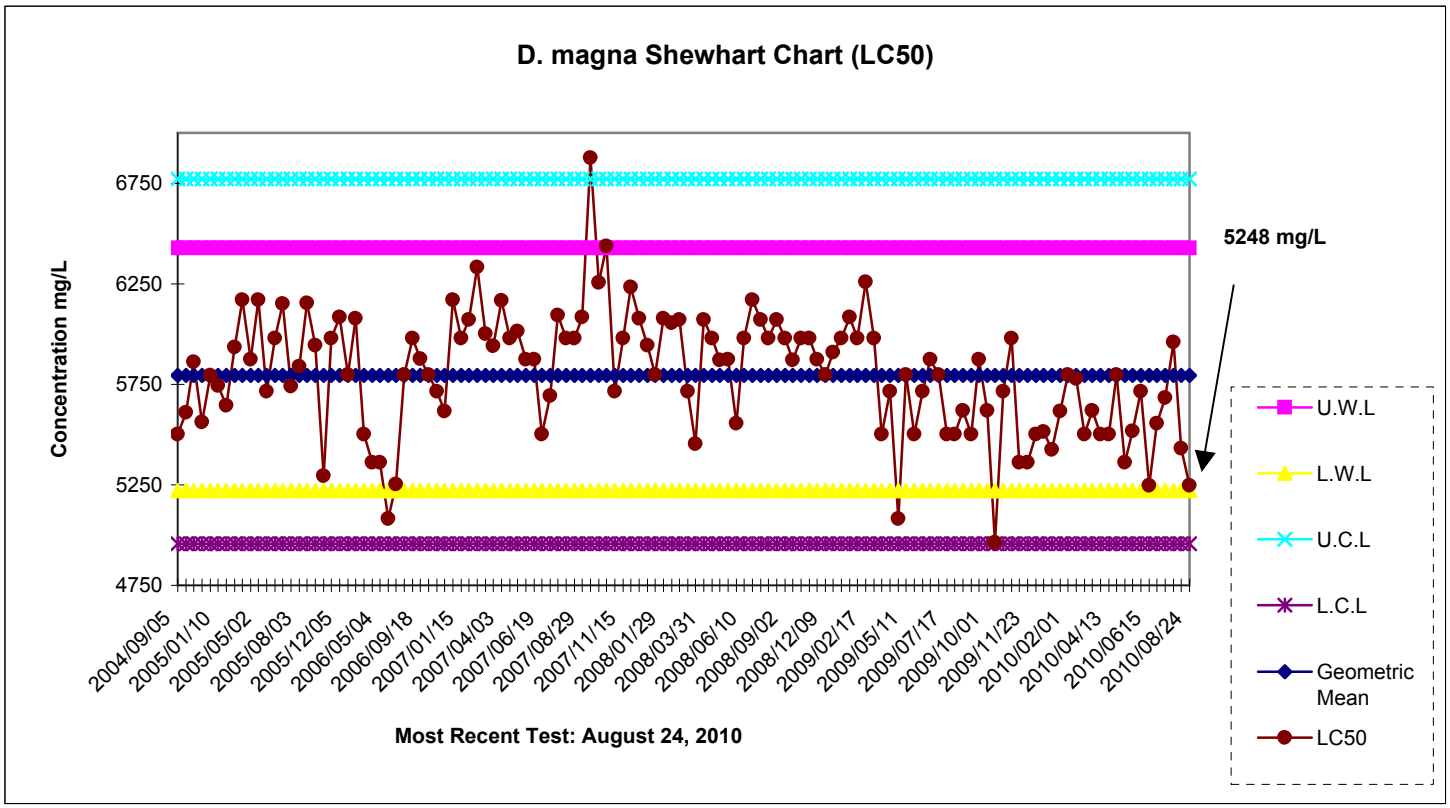
Current

LC50 @ 48 Hours :	**5248 mg/L**
95 % Confidence Interval :	**4860<5248<5671**
Method :	**Probit**
Date Initiated	**10 08 24**

Historical

Geometric Mean :	**5797 mg/L**
Warning Limits :	**5231<5797<6425**
Method :	**Shewhart**

The reference toxicant is conducted under the same conditions as the definitive testing (EENVSOP-00152).



Maxxam Analytics Inc

96hr *Rainbow Trout* Screen Bioassay Report

Project : B080874-W75276

(Acute Aquatic Toxicity Test)

Sample Data :

Company Name :	**Dillon Consulting Ltd**		
City :	**Yellowknife, NT**		
Sample Description :	**Hal-5**		
Sampling Location :	**n/g**		
Sampling Method :	**Grab**		
Volume obtained :	**20 L**		
Sampled By :	**JS**		
	YY MM DD		
Sample Date :	**10 09 01**	*Time :*	**1330**
Date Received :	**10 09 04**	*Time :*	**1210**
Bioassay Date :	**10 09 04**	*Time :*	**1330**
Report Date :	**10 09 09**		
Deviations from method :	**none**		

Test Results :

% mortality @ 96 Hours :	**0%**

Note: The results relate only to the item tested.

Results of Phenol Reference Bioassay : ***CETIS Statistical Program***

LC50 @ 96 Hours :	**8.94 mg/L**
95 % Confidence Interval :	**8.26<8.94<9.67 mg/L**
Method :	**Probit**
95 % Confidence Interval :	**8.45<10.67<13.42**
Method :	**Schewhart Warning Limit**
Historical Mean ± 2SD :	**10.67+/-2.48**
Date of Reference Bioassay :	**10 09 02**

The reference toxicant is conducted under the same conditions as the definitive testing.

Report & QA/QC Reviewed By : _____ **Jay Abbott, Bioassay Supervisor**

Maxxam Analytics Inc

96hr *Rainbow Trout* Screen Bioassay Report

Project : B080874-W75276

Sample Description : Hal-5

Test Information :

Type of Bioassay :	**96 Hour Single Dilution Static Bioassay**		
Test Species :	***Oncorhynchus mykiss*** **(Rainbow Trout)**		
Test Protocol :	**Environment Canada EPS 1/RM/13 (Dec.2000 ed. with May 2007 amendments).**		
Source of Test Species :	**Rainbow Springs Trout Hatchery, Thamesford, ON.**		
Culture Lot # :	**RS0819-1**		
Mean (±1 SD) & Range Fork Length of Fish :	**3.4 ± 0.1 cm**	*Pop.Range* **3.3 - 3.6 cm**	**n=10**
Mean (±1 SD) & Range Weight of Fish :	**0.40 ± 0.07 g**	*Pop.Range* **0.3 - 0.5 g**	
Cummulative Mortality of Fish Lot in the 7 Days Prior to Test :	**0.0%**		
Source of Holding Water :	**Ammonia Free, Dechlorinated City of Edmonton Tap Water**		
Size of Test Container :	**38 L**		
Material of Test Container :	**Disposable Plastic Liner in Glass Tank**		
Volume of Test Solution in Each Test Vessel :	**20 L**		
Depth of Test Material in Each Test Vessel :	**≥ 15 cm**		
Concentrations of Test Material :	**0, 100%**		
Number of Fish per Container :	**10**		
Loading Density :	**0.20 g/L**		
Method of Aeration :	**Carbon Filtered, Compressed Air Through Air-stone**		
Aeration Rate during test :	**6.5 ± 1.0 mL/min./L**		
pH adjustment:	**No pH adjustment of sample was made during testing.**		

Maxxam Analytics Inc

96hr *Rainbow Trout* Screen Bioassay Report

Project : B080874-W75276

Sample Description : Hal-5

		Temperature °C	pH @ 20°C	EC µS cm-1	Dissolved Oxygen mg/L
Setup	Sample Properties Prior To Initial Setup:	11.0	8.2	268	12.4
Analyst: ND	Preaeration Time (at rate of 6.5 ± 1.0 mL / min / L) :	60 min			

Time	Description	Concentration (%)	
		0	100
Start	Temperature (°C)	15.5	15.4
	pH	8.3	7.9
	EC (µS cm-1)	313	277
Analyst: ND	Dissolved Oxygen (mg/L)	9.9	9.9
1/4 Hour	Number Dead		
Analyst:	Atypical/Stressed Behaviour		
1/2 Hour	Number Dead	0	0
Analyst:	Atypical/Stressed Behaviour	0	0
1 Hour	Number Dead	0	0
Analyst:	Atypical/Stressed Behaviour	0	0
2 Hours	Number Dead	0	0
Analyst:	Atypical/Stressed Behaviour	0	0
4 Hours	Number Dead	0	0
Analyst:	Atypical/Stressed Behaviour	0	0
24 Hours	Temperature (°C)	15.3	15.1
	pH	8.4	8.3
	EC (µS cm-1)	311	300
	Dissolved Oxygen (mg/L)	9.9	9.8
	Number Dead	0	0
Analyst: JA	Atypical/Stressed Behaviour	0	0
48 Hours	Temperature (°C)	15.2	15.0
	pH	8.4	8.3
	EC (µS cm-1)	311	301
	Dissolved Oxygen (mg/L)	9.9	9.8
	Number Dead	0	0
Analyst: ND	Atypical/Stressed Behaviour	0	0
72 Hours	Temperature (°C)	15.0	14.9
	pH	8.2	8.2
	EC (µS cm-1)	312	302
	Dissolved Oxygen (mg/L)	9.3	9.2
	Number Dead	0	0
Analyst: RL	Atypical/Stressed Behaviour	0	0
96 Hours	Temperature (°C)	15.0	14.8
	pH	8.4	8.3
	EC (µS cm-1)	313	304
	Dissolved Oxygen (mg/L)	9.7	9.4
	Number Dead	0	0
Analyst: RL	Atypical/Stressed Behaviour	0	0

Stress Codes: P: dark pigmentation U: light pigmentation L: lethargic H: hyperactive M: inhibited movement G: pronounced opercular movement F: Flashing S: extreme toxic shock D: disorientated

General Comments:

9331-48 Street, Edmonton, Alberta T6B 2R4
Tel:(780) 577-7100 Fax:(780) 450-4187 Website: www.maxxam.ca