





Environmental Division

Certificate of Analysis

GARTNER LEE LTD. **ATTN:** KEN BOLDT

300 TOWN CENTRE BOULVARD

SUITE 300

MARKHAM ON L3R 5Z6

Reported On: 04-SEP-08 04:52 PM

Date Received: 19-AUG-08

Lab Work Order #: L671383

Project P.O. #: KSL-00627 Job Reference: 80297

Legal Site Desc:

CofC Numbers: C065198

Other Information:

Comments: Please note that Polychlorinated Biphenyl detection limits have been increased for some of the samples due to the analytical

interferences encountered during the analysis.

MATASHA MARKOVIC-MIROVIC Account Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY. ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID Description	L671383-1	L671383-2	L671383-3	L671383-4	L671383-5
	Sampled Date Sampled Time	16-AUG-08	16-AUG-08	16-AUG-08	16-AUG-08	16-AUG-08
	Client ID	BMW-3	MW-15	MW-150	MW-14A	MW-16
Grouping	Analyte					
WATER						
Physical Tests	Hardness (as CaCO3) (mg/L)	191	335	338	304	157
Total Metals	Arsenic (As)-Total (mg/L)	0.0023	0.0020	0.0020	0.00067	0.00076
	Cadmium (Cd)-Total (mg/L)	0.000061	<0.000034	<0.000034	0.000067	0.000082
	Chromium (Cr)-Total (mg/L)	0.0437	0.0024	<0.0030	0.0100	0.0025
	Cobalt (Co)-Total (mg/L)	0.00817	0.00216	0.00208	0.00135	0.00210
	Copper (Cu)-Total (mg/L)	0.0155	<0.0020	<0.0020	0.0146	0.0040
	Lead (Pb)-Total (mg/L)	0.0091	<0.0010	<0.0010	0.00112	0.00056
	Mercury (Hg)-Total (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
	Nickel (Ni)-Total (mg/L)	0.0180	0.0065	0.0063	0.0001	0.0120
	Zinc (Zn)-Total (mg/L)	0.0513	0.250	0.239	2.41	0.0120
Hydrocarbons	F1 (C6-C10) (mg/L)	<0.10	0.250	0.233	<0.10	2.23
. iyar ooar borio	F2 (C10-C16) (mg/L)	<0.30	5.98	5.15	<0.30	76.7
	F3 (C16-C34) (mg/L)	<0.30	1.65	1.40	0.33	8.01
Polychlorinated Biphenyls	PCB-1016 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1221 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1232 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1242 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1248 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1254 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1260 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1262 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	PCB-1268 (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Total Polychlorinated Biphenyls (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

^{*} Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID Description	L671383-6	L671383-7	L671383-8	L671383-9
	Sampled Date Sampled Time	16-AUG-08	16-AUG-08	16-AUG-08	16-AUG-08
	Client ID	MW-8	MW-9	MW-13	MW-12
Grouping	Analyte				
WATER					
Physical Tests	Hardness (as CaCO3) (mg/L)	1380	202	140	186
Total Metals	Arsenic (As)-Total (mg/L)	<0.0025	<0.0025	0.00216	0.0051
	Cadmium (Cd)-Total (mg/L)	0.000170	<0.000085	0.000176	0.000135
	Chromium (Cr)-Total (mg/L)	<0.0050	0.0183	0.0205	0.0540
	Cobalt (Co)-Total (mg/L)	0.0031	<0.0015	0.00978	0.0156
	Copper (Cu)-Total (mg/L)	0.0228	0.0071	0.0288	0.0433
	Lead (Pb)-Total (mg/L)	<0.0025	<0.0025	0.00725	0.0158
	Mercury (Hg)-Total (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020
	Nickel (Ni)-Total (mg/L)	0.0268	0.0079	0.0257	0.0418
	Zinc (Zn)-Total (mg/L)	0.0391	0.0382	0.0809	0.208
Hydrocarbons	F1 (C6-C10) (mg/L)	2.89	<0.10	<0.10	<0.10
	F2 (C10-C16) (mg/L)	8.17	0.44	<0.30	1.26
	F3 (C16-C34) (mg/L)	1.84	0.63	1.11	2.02
Polychlorinated Biphenyls	PCB-1016 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1221 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1232 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1242 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1248 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1254 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1260 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1262 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	PCB-1268 (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
	Total Polychlorinated Biphenyls (mg/L)	<0.0010	<0.0010	<0.0011	<0.0012
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^{*} Please refer to the Reference Information section for an explanation of any qualifiers detected.

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Reference Information

Methods Listed (if applicable):

ALS Test Code Matrix Test Description Analytical Method Reference(Based On)

F1-PT-FID-VA Water CCME F1 By P&T with GCFID

EPA SW-846, METHOD 8260

This analysis is based on the "Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil - Tier 1 Method, Canadian Council of Ministers of the Environment, December 2000." For F1 (C6-C10), the sample undergoes a purge and trap extraction prior to analysis by GC/FID.

F1 (C6-C10): Sum of all hydrocarbons that elute between nC6 and nC10.

F2-F3-SF-FID-VA Water Extractable Hydrocanbons in water GCFID CWS (CCME)

Petroleum Hydrocarbons (F2-F3) in Water

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, published by the United States Environmental Protection Agency (EPA) and the "Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil - Tier 1 Method, Canadian Council of Ministers of the Environment, December 2000." The procedure involves a liquid-liquid extraction of the entire water sample using dichloromethane prior to capillary column gas chromatography with flame ionization detection (GC/FID).

A silica gel cleanup procedure is applied before GC analysis, which is intended to selectively remove most naturally occurring organics.

HARDNESS-CALC-VA Water Hardness APHA 2340B

Hardness is calculated from Calcium and Magnesium concentrations, and is expressed as calcium carbonate equivalents.

HG-TOT-CCME-CVAFS- Water Total Mercury in Water by CVAFS (CCME) EPA 245.7

VA
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry (EPA Method 245.7).

MET-TOT-CCME-ICP-VA Water Total Metals in Water by ICPOES (CCME) EPA SW-846 3005A/6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

MET-TOT-CCME-MS-VA Water Total Metals in Water by ICPMS (CCME) EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

PCB-SF-ECD-VA Water PCB by Extraction with GCECD EPA 3510/8082 Liq-Liq GCECD

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 3620, 3660, 3665 & 8082, published by the United States Environmental Protection Agency (EPA). The procedure involves a liquid-liquid extraction of the entire water sample using dichloromethane. The extract is then solvent exchanged to hexane followed by one or more of the following clean-up procedures (if required): florisil clean-up, sulphur clean-up and/or sulphuric acid clean-up. The final extract is analysed by capillary column gas chromatography with electron capture detection (GC/ECD).

** Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

The last two letters of the above ALS Test Code column indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
VA	ALS LABORATORY GROUP - VANCOUVER, BC, CANADA		

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Reference Information

Methods Listed (if applicable):

ALS Test Code Matrix Test Description Analytical Method Reference(Based On)

GLOSSARY OF REPORT TERMS

Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds.

The reported surrogate recovery value provides a measure of method efficiency.

mg/kg (units) - unit of concentration based on mass, parts per million

mg/L (units) - unit of concentration based on volume, parts per million

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.

Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.

ALS Laboratory Group

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coc#C065198

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NUMBER OF CONTAINERS SAMPLES RECEIVED IN GOOD CONDITION ? YES MUO CLUTE DETECTION CIMITS (2 COOLORS SHIPPED) METALS = TOTAL METALS EMERGENCY SERVICE (<1 DAY / WEEKEND) - CONTACT ALS HIGHLY CONTAMINATED? By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the reverse page of the white report copy. SUOGRAZAH SAMPLE CONDITION (lab use only) ANALYSIS REQUEST PRIORITY SERVICE (1 DAY or ASAP) SPECIAL INSTRUCTIONS / HAZARDOUS DETAILS ("If no provide details) REGULAR SERVICE (DEFAULT) Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. RUSH SERVICE (2-3 DAYS) SERVICE REQUESTED 17021/ TEMPERATURE SG 20 X METALS TPH F EJ HA X X (3) X X SAMPLE TYPE † † † Aug. 19 30 NAMES DATE & TIME EMAIL 2: THOS @ GARTINGLES.COM EMAIL 1: (EDIGHEGANTINERLEG, COM 2 FAX QUOTE # YO KITNUNA PROJECTS www.alsenviro.com INDICATE BOTTLES: FILTERED / PRESERVED (F/P) SAMPLER awn (Initials): TIME CUSTOM REPORT FORMAT / DISTRIBUTION CLIENT / PROJECT INFORMATION: OTHER SAU JUNA 6-Aug-08 DATE 6208 # BOD Legal Site Description: EXCEL STANDARD ECEIVED BY: PDF PO /AFE: (This description will appear on the report) DRAK 1/2 ALS 17/406/bB ADDRESS: 300 TOWN CENTRE FULL SAMPLE IDENTIFICATION **GUIDELINES / REGULATIONS** DATE & TIME ADDRESS CAMPLICE BAY NO. COMPANY: KITWUND OROJETS INVOICE TO: SAME AS REPORT? YES (NO CONTACT: PETER ARMSTROJG SUTE 30, MARKHAM ON COMPANY: LART VER LEG CTD Lab Work Order# 1671383 21 CASE PHONE: 867-483-782AX CONTACT: KEN BOLDT PHONE: 95-97 - SOUFAX: MW-14-4 MW - 15 COME **Environmental Division** MW - 150 M4)-12 MW - 16 8-CW 1/1m / d 3MW -3 1- MM REPORT TO: Sample #

REFER TO BACK PAGE FOR REGIONAL LOCATIONS AND SAMPLING INFORMATION

GENF14.00

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